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Ohio Labor Market Information

Labor Market Review

July 1989

Summary. Ohio's seasonally adjusted unemployment rate fell from 5.6 percent in June to 5.4 percent in July. The U.S. rate was 5.2 percent, down from 5.3 percent in June. Total employment in Ohio, at 5,157,000, declined 26,000 from June. The number of jobless Ohioans dropped 14,000 to 293,000. Seasonally adjusted nonfarm wage and salary employment increased 6,000 from June to 4,791,000. Gains in most nonmanufacturing industries more than offset cutbacks in manufacturing employment. (See page 3.)

Factory Employment. Manufacturing employment in Ohio, at 1,101,000 in July, was down 6,000 from June. Declines in transportation equipment and primary metal industries were chiefly responsible for lowering durable-goods employment 5,000 to 741,000. A notable increase did occur in nonelectrical machinery. Employment in nondurable goods fell 1,000 to 359,000, due to losses in rubber and miscellaneous plastics products.

Nonmanufacturing. Ohio's nonmanufacturing employment rose 12,000 from June to 3,691,000 in July. Services and government increased 5,000 each; retail trade was up 2,000. Wholesale trade and finance, insurance, and real estate each added 1,000 jobs. Construction and transportaion and public utilities were unchanged from June. A labor-management dispute lowered mining employment 3,000.

Over the Year. The unemployment rate in Ohio was reduced from 5.5 percent in July 1988 to 5.4 percent in July 1989. Nationally, the rate declined from 5.4 percent to 5.2 percent during the same period. Total employment in Ohio rose 153,000 over the year, while total unemployment increased 3,000. Nonfarm payroll employment was up 115,000 from July 1988. Services advanced 48,000 and retail trade gained 33,000. Construction (+14,000) also showed improvement. Slight losses in durable-goods employment were offset by increases in nondurable goods, leaving manufacturing employment unchanged over the year.

Factory Hours and Earnings. Production workers in Ohio's manufacturing industries had average weekly earnings of $514.46 in July, down $12.78 from June. Their average workweek was reduced .8 hours to 42.1 hours. Nearly all industries had lower earnings in July, although metal forgings and stampings showed a notable gain. The most significant decreases were in motor vehicles and equipment, iron and steel foundries, miscellaneous plastics products, and general industrial machinery.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law in July, at 62,654, were up 38.1 percent from June and up 20.9 percent from July 1988. Total benefits paid fell 13.0 percent from June to $37.6 million. The average benefit check of

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

$158.76 was $.76 higher. The average weekly number of benefit recipients dropped .9 percent from June to 60,480. At the end of June, there were 204,637 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 27,022 new job applicants in July, down 21.9 percent from June and down 29.8 percent from July 1988. The number of job openings received from employers rose 117.6 percent from June to 26,936. The Employment Services Division made 19,261 job referrals and 7,551 placements.

Ohio Labor Market Information Directory

The Labor Market Information Division of the Ohio Bureau of Employment Services has announced the publication of the second edition of the *Ohio Labor Market Information Directory*. This directory is designed to identify and describe sources of labor market information in Ohio. Labor market information is data about jobs and workers, and it consists of demographic, labor force, occupational and industry information.

The *Directory* provides general direction for those who need specific types of labor market information, as well as those who are uncertain about the information they are seeking. Publications are listed by the agency which produces them and by the subject matter of each report. A glossary provides a definition of each term used throughout the *Directory* and order blanks for publications are included.

To order your free copy of the *Directory*, call the LMI Division at (614) 644-2689, or write:

OBES - LMI Division
Attn: Statistical Services
145 S. Front St.
Columbus, OH 43215

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Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	July 1989	June 1989	July 1988	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,450	5,490	5,294	-40	156	-0.7	2.9
Employment	5,157	5,183	5,004	-26	153	-0.5	3.1
Unemployment	293	307	290	-14	3	-4.6	1.0
Unemployment Rate	5.4	5.6	5.5				
Employer Survey Data[e]							
Total	4,791	4,786	4,676	6	115	0.1	2.5
Manufacturing	1,101	1,107	1,101	-6	0	-0.6	-0.0
Durable Goods	741	746	742	-5	-1	-0.7	-0.1
Nondurable Goods	359	361	359	-1	1	-0.4	0.2
Nonmanufacturing	3,691	3,679	3,575	12	116	0.3	3.2
Mining	17	20	19	-3	-2	-12.8	-11.9
Construction	197	197	182	0	14	-0.1	7.8
Transportation and Public Utilities	214	214	212	0	3	0.1	1.3
Wholesale Trade	262	261	255	1	8	0.4	3.0
Retail Trade	908	906	876	2	33	0.2	3.7
Finance, Insurance, and Real Estate	256	255	250	1	6	0.2	2.3
Services	1,137	1,132	1,089	5	48	0.5	4.4
Government	699	694	692	5	7	0.8	1.0
Goods Producing Industries[f]	1,314	1,323	1,303	-9	12	-0.7	0.9
Service Producing Industries[g]	3,477	3,462	3,373	15	104	0.4	3.1

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.
[b]Changes are computed from unrounded numbers.
[c]Percentages are computed from unrounded numbers.
[d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.
[e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.
[f]Includes Mining, Construction, and Manufacturing.
[g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1987
5,272	4,895	377	7.2	6.0	July
5,242	4,877	365	7.0	6.0	August
5,213	4,921	292	5.6	5.9	September
5,231	4,910	321	6.1	6.0	October
5,270	4,946	324	6.1	5.9	November
5,279	4,949	330	6.3	5.8	December
					1988
5,324	4,981	343	6.4	5.8	January
5,355	5,014	341	6.4	5.7	February
5,369	4,974	395	7.4	5.6	March
5,301	4,970	331	6.2	5.5	April
5,284	4,960	324	6.1	5.6	May
5,306	4,994	312	5.9	5.4	June
5,294	5,004	290	5.5	5.4	July
5,329	5,028	301	5.6	5.6	August
5,311	5,004	307	5.8	5.4	September
5,349	5,049	300	5.6	5.3	October
5,366	5,059	307	5.7	5.4	November
5,355	5,060	295	5.5	5.3	December
					1989
5,426	5,094	332	6.1	5.4	January
5,432	5,152	280	5.2	5.1	February
5,428	5,144	284	5.2	5.0	March
5,381	5,093	288	5.4	5.3	April
5,434	5,138	296	5.4	5.2	May
5,490	5,183	307	5.6	5.3	June
5,450	5,157	293	5.4	5.2	July

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

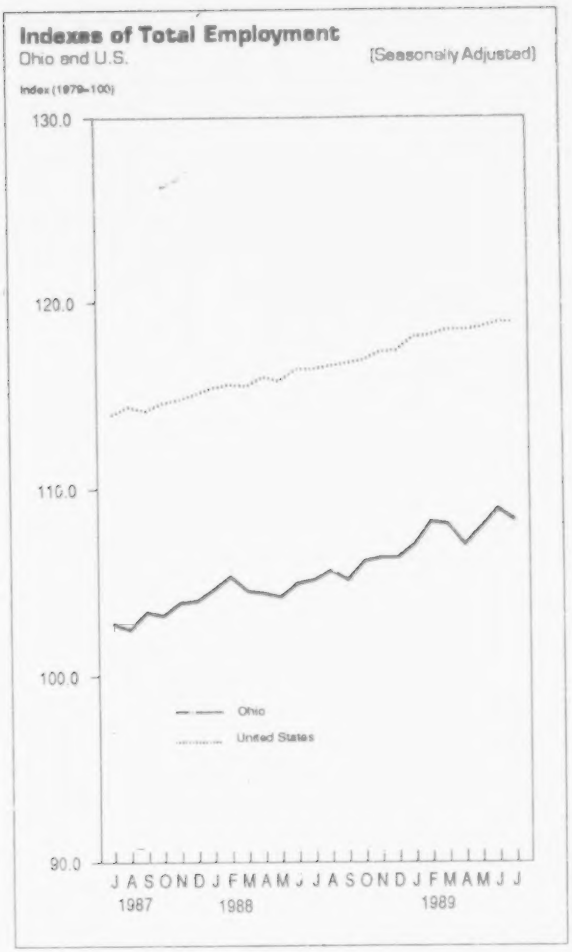
Total Nonagricultural Employment	Manufacturing Employment			
		Durable	Nondurable	
				1987
4,576	1,091	732	359	July
4,588	1,098	739	359	August
4,596	1,101	743	358	September
4,617	1,105	745	360	October
4,631	1,106	746	360	November
4,650	1,110	748	362	December
				1988
4,637	1,104	744	360	January
4,644	1,103	743	359	February
4,653	1,097	737	360	March
4,656	1,101	742	360	April
4,661	1,100	742	359	May
4,671	1,102	742	360	June
4,676	1,101	742	359	July
4,680	1,100	741	358	August
4,691	1,103	743	359	September
4,704	1,105	746	360	October
4,721	1,110	750	361	November
4,733	1,111	750	362	December
				1989
4,764	1,122	757	364	January
4,772	1,118	754	364	February
4,777	1,114	751	363	March
4,778	1,110	748	352	April
4,780	1,107	747	360	May
4,786	1,107	746	361	June
4,791	1,101	741	359	July

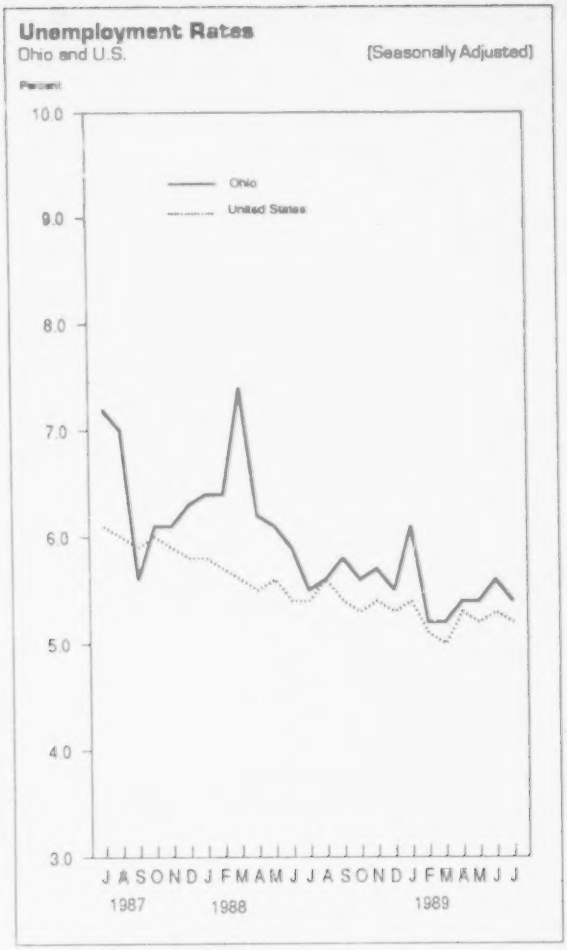
Nonmanufacturing Employment

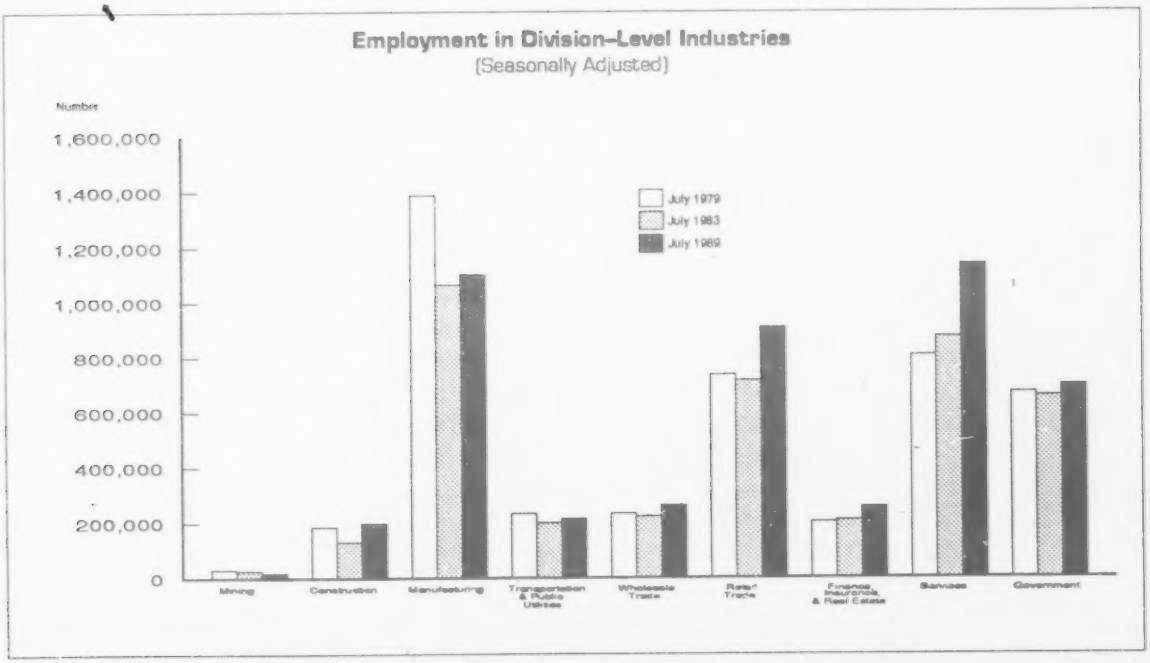
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1987				
3,484	20	178	209	248	July	847	244	1053	685
3,490	21	176	209	248	August	849	245	1055	687
3,495	20	177	209	249	September	850	246	1059	685
3,512	21	178	209	251	October	856	247	1062	688
3,525	21	180	210	251	November	860	247	1067	691
3,540	21	183	210	252	December	863	248	1073	691
					1988				
3,533	20	181	210	251	January	865	247	1068	691
3,542	20	182	210	251	February	868	247	1073	690
3,557	19	185	211	252	March	872	248	1078	692
3,555	20	183	211	252	April	870	249	1079	691
3,561	19	182	211	253	May	871	249	1083	692
3,569	19	182	211	254	June	874	249	1087	692
3,575	19	182	212	255	July	876	250	1089	692
3,581	20	183	212	256	August	878	251	1093	689
3,589	19	184	212	256	September	880	251	1095	691
3,599	19	184	212	257	October	884	252	1097	693
3,611	19	186	213	258	November	887	252	1102	694
3,622	19	188	213	258	December	889	252	1108	693
					1989				
3,642	19	196	213	259	January	896	253	1112	693
3,654	19	197	213	260	February	899	254	1116	696
3,663	19	197	214	260	March	903	254	1120	696
3,668	19	196	215	261	April	902	255	1125	695
3,672	19	196	214	261	May	902	255	1129	696
3,679	20	197	214	261	June	906	255	1132	694
3,691	17	197	214	262	July	908	256	1137	699

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
130.0
120.0
110.0
100.0
90.0
Ohio
United States
J A S O N D J F M A M J J A S O N D J F M A M J J
1987
1988
1989


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
Ohio
United States
J A S O N D J F M A M J J A S O N D J F M A M J J
1987
1988
1989


Employment in Division-Level Industries
(Seasonally Adjusted)
Number
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
July 1979
July 1983
July 1989
Mining
Construction
Manufacturing
Transportation & Public Utilities
Wholesale Trade
Retail Trade
Finance, Insurance, & Real Estate
Services
Government

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,254	4,887	367	7.0	6.2	1987
5,328	5,008	320	6.0	5.5	1988
					1988
5,366	5,093	274	5.1	5.5	July
5,376	5,076	301	5.6	5.4	August
5,287	4,985	302	5.7	5.2	September
5,365	5,087	278	5.2	5.0	October
5,400	5,113	287	5.3	5.2	November
5,352	5,066	286	5.4	5.0	December
					1989
5,384	5,015	369	6.9	6.0	January
5,380	5,063	317	5.9	5.6	February
5,375	5,068	307	5.7	5.2	March
5,357	5,085	273	5.1	5.1	April
5,419	5,143	277	5.1	5.0	May
5,537	5,216	321	5.8	5.5	June
5,526	5,248	277	5.0	5.3	July

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

Total Nonagricultural Employment	Manufacturing Employment			
		Durable	Nondurable	
4,394.9	1,377.2	974.5	402.7	1978
4,484.8	1,382.3	980.5	401.8	1979
4,367.4	1,264.3	882.6	381.8	1980
4,317.7	1,232.6	860.4	372.2	1981
4,124.3	1,099.9	752.4	347.5	1982
4,092.5	1,066.0	723.6	342.4	1983
4,260.2	1,127.0	773.4	353.6	1984
4,372.9	1,124.3	768.7	355.5	1985
4,471.4	1,109.8	752.7	357.1	1986
4,582.6	1,098.9	740.4	358.4	1987
4,683.0	1,103.1	743.6	359.6	1988
				1988
4,678.8	1,100.8	741.5	359.4	July
4,679.1	1,102.1	740.5	361.6	August
4,731.7	1,110.5	745.6	364.9	September
4,757.7	1,110.3	747.8	362.5	October
4,834.7	1,115.7	753.3	362.3	November
4,781.8	1,115.1	752.5	362.6	December
				1989
4,669.0	1,112.2	751.4	360.8	January
4,671.4	1,107.3	747.9	359.4	February
4,707.6	1,106.9	748.1	358.8	March
4,761.0	1,107.1	748.4	358.7	April
4,811.3	1,107.5	748.7	358.8	May
4,831.8	1,112.5	750.8	361.7	June
4,795.2	1,100.5	740.4	360.1	July

Nonmanufacturing Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government	
3,017.7	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5	1978
3,102.5	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0	1979
3,103.0	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9	1980
3,085.1	30.7	153.7	217.2	232.5	717.7	205.8	851.6	676.0	1981
3,024.4	30.3	134.6	206.8	226.0	703.4	206.4	857.3	659.6	1982
3,026.5	26.6	130.8	198.5	222.5	711.0	207.8	873.3	656.1	1983
3,133.1	27.8	144.8	203.9	236.7	748.0	211.5	905.2	655.2	1984
3,248.6	26.1	154.0	202.7	243.7	787.9	219.3	949.5	665.2	1985
3,361.6	22.6	160.7	203.4	244.3	818.6	232.3	1,001.0	678.9	1986
3,483.7	20.9	176.4	207.8	249.0	848.3	243.8	1,051.2	687.3	1987
3,579.8	19.5	183.6	211.5	254.3	876.5	249.8	1,087.8	696.8	1988
									1988
3,578.0	19.8	199.5	213.4	256.1	881.1	252.8	1,103.1	652.2	July
3,577.0	19.8	202.5	213.9	256.3	886.2	253.3	1,104.7	640.3	August
3,621.2	19.8	202.0	214.8	256.5	888.2	251.8	1,109.8	678.3	September
3,647.4	19.8	203.0	215.0	258.4	891.8	252.1	1,105.1	702.2	October
3,719.0	19.7	197.4	214.7	258.5	906.0	252.1	1,102.1	768.5	November
3,666.6	19.5	188.0	215.3	259.1	921.4	252.4	1,101.0	710.0	December
									1989
3,556.9	18.9	167.0	208.7	256.9	877.0	250.3	1,083.4	694.5	January
3,564.1	18.6	162.2	208.5	256.9	867.2	250.8	1,091.8	708.0	February
3,600.8	18.7	170.8	209.7	257.8	876.3	251.5	1,103.0	712.9	March
3,653.9	19.0	184.7	212.8	259.7	889.8	253.1	1,125.5	709.3	April
3,703.7	19.2	197.0	214.3	261.3	904.2	254.6	1,138.7	714.4	May
3,719.4	19.8	206.5	216.0	263.1	912.5	257.0	1,149.9	694.5	June
3,694.7	17.5	215.1	216.2	263.7	913.8	258.6	1,151.9	657.9	July

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,377.2	974.5	402.7	1978	985.5	$302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.5	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,098.9	740.4	358.4	1987	751.4	375.5	32.0
1,103.1	743.6	359.6	1988	759.1	391.7	32.6
			1988			
1,100.8	741.5	359.4	July	754.9	379.4	31.9
1,102.1	740.5	361.6	August	756.7	382.1	32.1
1,110.5	745.6	364.9	September	765.9	399.6	33.2
1,110.3	747.8	362.5	October	765.5	400.4	33.1
1,115.7	753.3	362.3	November	771.1	410.1	33.7
1,115.1	752.5	362.6	December	770.1	411.5	33.7
			1989			
1,112.2	751.4	360.8	January	766.2	404.1	33.1
1,107.3	747.9	359.4	February	762.0	400.1	32.8
1,106.9	748.1	358.8	March	761.4	400.2	32.7
1,107.1	748.4	358.7	April	761.4	397.0	32.5
1,107.5	748.7	358.8	May	761.1	397.5	32.5
1,112.5	750.8	361.7	June	764.1	402.9	32.8
1,100.5	740.4	360.1	July	751.3	386.5	31.6

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$306.91	$316.83	$279.30	1978	42.1	42.3	41.5	1978	$ 7.29	$ 7.49	$ 6.73
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.90	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
516.00	538.59	465.47	1988	43.0	43.4	42.2	1988	12.00	12.41	11.03
			1988				1988			
502.52	521.85	461.47	July	42.3	42.6	41.8	July	11.88	12.25	11.04
504.98	525.21	460.22	August	42.4	42.7	41.8	August	11.91	12.30	11.01
521.77	545.38	469.63	September	43.3	43.7	42.5	September	12.05	12.48	11.05
523.06	546.69	467.84	October	43.3	43.7	42.3	October	12.08	12.51	11.06
531.83	557.80	472.43	November	43.7	44.2	42.6	November	12.17	12.62	11.09
534.36	557.80	479.62	December	43.8	44.2	42.9	December	12.20	12.62	11.18
			1989				1989			
527.47	551.06	472.36	January	43.2	43.7	42.1	January	12.21	12.61	11.22
525.03	547.67	472.63	February	43.0	43.5	41.9	February	12.21	12.59	11.28
525.53	549.41	470.50	March	42.9	43.5	41.6	March	12.25	12.63	11.31
521.37	542.59	473.71	April	42.7	43.2	41.7	April	12.21	12.56	11.36
522.22	543.46	471.86	May	42.7	43.2	41.5	May	12.23	12.58	11.37
527.24	546.05	480.48	June	42.9	43.2	42.0	June	12.29	12.64	11.44
514.46	532.54	472.37	July	42.1	42.4	41.4	July	12.22	12.56	11.41

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Employment
(thousands)

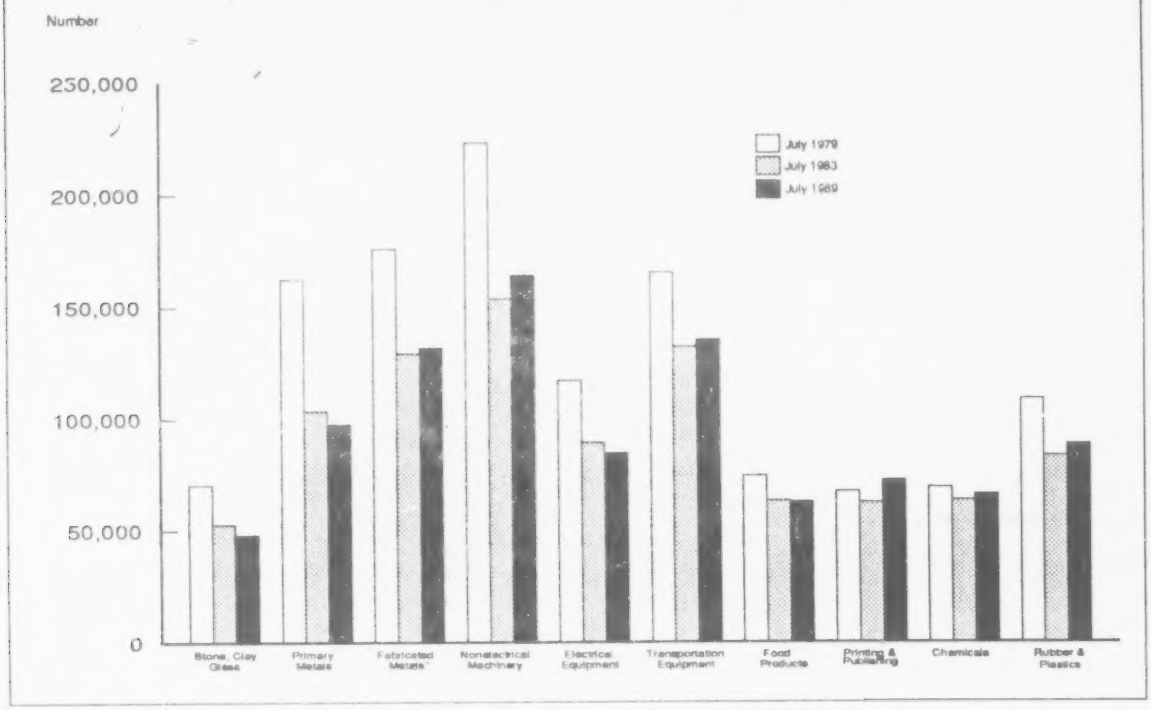
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.4	95.8	133.1	1987	155.2	86.7	149.0	1987	63.1	70.5	91.9
47.8	99.9	133.0	1988	158.7	86.3	141.8	1988	62.5	71.5	90.8
			1988				1988			
48.6	98.5	132.7	July	158.8	85.4	140.9	July	62.2	71.3	90.0
48.7	99.1	131.1	August	158.6	86.0	140.5	August	63.7	71.4	90.6
48.3	101.1	133.3	September	159.9	86.0	139.4	September	66.4	71.8	90.9
48.2	100.9	133.5	October	160.4	86.6	140.6	October	63.9	72.0	91.5
48.4	101.6	134.4	November	161.7	86.9	142.6	November	63.4	72.0	91.8
47.8	102.0	134.8	December	162.7	86.8	140.9	December	63.4	72.3	91.5
			1989				1989			
47.0	101.3	134.9	January	163.0	86.5	141.6	January	62.5	71.9	91.3
46.7	100.7	133.6	February	163.1	85.7	141.0	February	61.1	71.8	91.3
47.4	100.2	133.2	March	163.2	85.6	141.0	March	61.1	71.7	90.9
48.0	100.1	133.5	April	163.2	85.4	140.3	April	61.2	71.5	90.7
48.0	100.0	133.6	May	163.4	85.1	140.0	May	61.7	71.8	90.0
48.4	100.0	133.2	June	163.7	85.4	140.6	June	63.0	72.2	90.0
48.0	97.4	131.5	July	164.0	84.6	135.1	July	62.8	72.2	88.4

Average Weekly Earnings of Production Workers

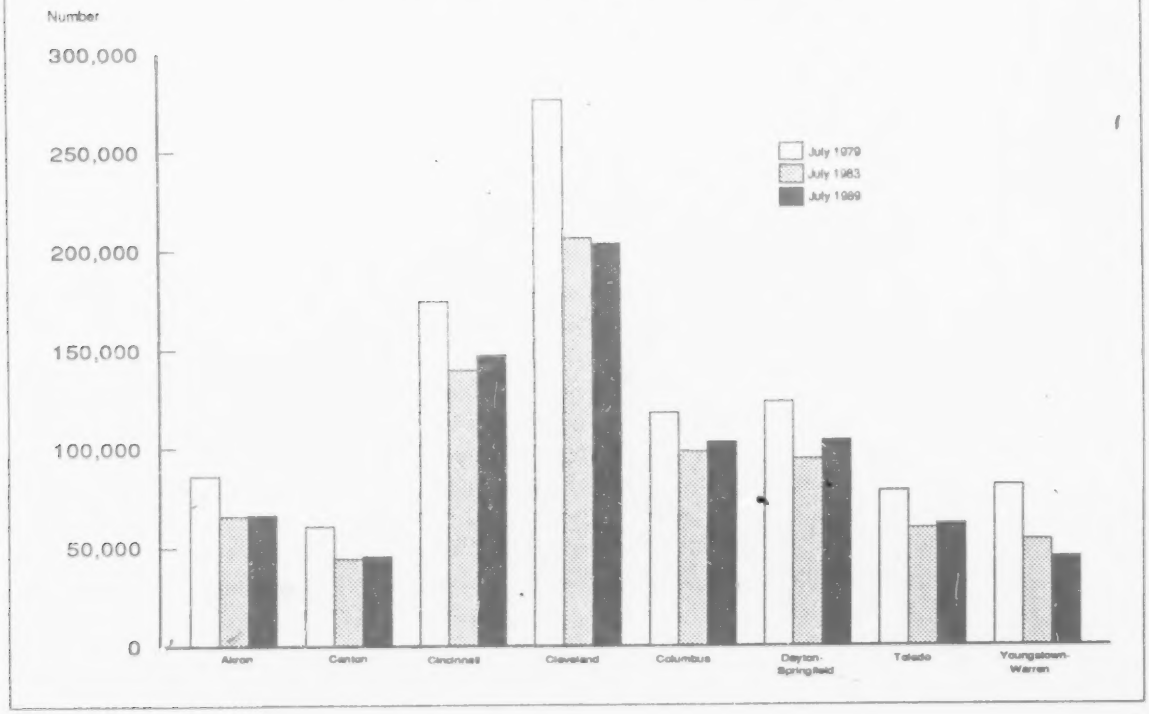
$274.81	$366.24	$307.23	1978	$306.16	$268.45	$389.66	1978	$281.15	$285.18	$282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
463.30	626.44	516.77	1988	526.48	472.50	675.24	1988	446.04	445.22	448.24
			1988				1988			
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	610.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
468.47	628.60	522.97	October	537.14	470.12	699.79	October	440.37	448.33	454.14
473.90	639.77	531.29	November	545.13	477.99	717.02	November	452.83	449.80	459.46
463.01	636.55	531.73	December	549.70	484.65	721.82	December	456.89	463.65	459.72
			1989				1989			
462.34	629.95	520.22	January	551.15	481.38	702.15	January	441.08	445.02	460.42
463.49	619.89	512.40	February	543.22	470.40	714.48	February	440.18	451.61	451.93
465.38	621.72	511.20	March	545.43	466.34	724.23	March	449.35	454.31	442.68
470.98	624.34	512.48	April	541.11	464.26	683.99	April	455.20	447.70	446.69
464.88	620.64	515.82	May	538.74	462.73	691.75	May	455.10	446.18	453.05
472.01	632.19	507.53	June	536.36	460.37	712.80	June	469.79	447.30	462.03
477.22	612.41	507.36	July	523.08	452.28	691.24	July	459.64	453.46	444.11

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Employment in Major Manufacturing Industries



Manufacturing Employment in Metropolitan Areas



Nonagricultural Wage and Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	July 1989[b]	June 1989[c]	July 1988[c]	From Last Month	From Last Year
Total	4795.2	4831.8	4678.8	-36.6	116.4
Manufacturing	1100.5	1112.5	1100.8	-12.0	-.3
Durable Goods[e]	740.4	750.8	741.5	-10.3	-1.0
Lumber and wood products	25.1	24.6	22.7	.4	2.3
Furniture and fixtures	14.9	14.9	15.2	.0	-.3
Stone, clay, and glass products	48.0	48.4	48.6	-.4	-.6
Glass and glassware, pressed or blown	8.5	8.7	8.6	-.2	-.1
Primary metal industries	97.4	100.0	98.5	-2.6	-1.1
Blast furnace and basic steel products	45.5	45.3	45.8	.2	-.2
Iron and steel foundries	18.6	20.2	19.4	-1.5	-.8
Nonferrous rolling and drawing	16.3	17.2	16.6	-.9	-.3
Fabricated metal products	131.5	133.2	132.7	-1.7	-1.2
Cutlery, hand tools, and hardware	9.4	9.4	10.1	.0	-.7
Fabricated structural metal products	28.3	28.3	28.1	.0	.2
Metal forgings and stampings	39.2	40.3	41.1	-1.2	-1.9
Machinery, except electrical	164.0	163.7	158.8	.3	5.3
Construction and related machinery	13.8	13.8	13.6	.0	.2
Metalworking machinery	43.5	43.3	41.5	.2	1.9
Special industry machinery	18.2	18.0	17.5	.2	.8
General industrial machinery	29.1	28.9	28.2	.2	.9
Office and computing machines	12.3	12.3	12.9	.1	-.5
Refrigeration and service machinery	16.5	16.5	16.0	-.1	.5
Electric and electronic equipment	84.6	85.4	85.4	-.8	-.9
Electrical industrial apparatus	17.8	17.8	16.3	.0	1.5
Household appliances	15.3	15.5	16.1	-.2	-.9
Electric lighting and wiring equipment	16.6	16.8	16.9	-.2	-.3
Communication equipment	9.2	9.3	9.5	.0	-.2
Transportation equipment	135.1	140.6	140.9	-5.5	-5.8
Motor vehicles and equipment	89.6	95.5	94.2	-5.9	-4.7
Aircraft and parts	36.6	36.3	38.6	.3	-2.0
Instruments and related products	24.6	24.5	24.1	.0	.5
Measuring and controlling devices	13.4	13.3	13.2	.1	.1
Nondurable Goods[f]	360.1	361.7	359.4	-1.6	.7
Food and kindred products	62.8	63.0	62.2	-.3	.6
Meat products	9.0	8.9	8.8	.2	.2
Dairy products	9.6	9.6	9.7	.0	-.1
Preserved fruits and vegetables	11.2	11.8	10.8	-.5	.4
Bakery products	9.6	9.7	9.6	-.1	.0
Beverages	9.2	9.0	9.5	.1	-.3
Apparel and other textile products	15.6	15.8	15.2	-.2	.4
Paper and allied products	37.3	37.0	37.2	.3	.1
Misc. converted paper products	12.2	12.1	11.8	.0	.3
Paperboard containers and boxes	13.2	13.1	13.2	.1	.1
Printing and publishing	72.2	72.2	71.3	.0	.8
Newspapers	18.6	18.8	18.8	-.1	-.2
Commercial printing	28.4	28.4	27.9	.1	.5
Chemicals and allied products	66.1	66.0	65.2	.1	.9
Industrial organic chemicals	8.9	8.9	9.1	.0	-.2
Rubber and misc. plastics products	88.4	90.0	90.0	-1.6	-1.6
Tires and inner tubes	14.4	14.4	14.8	.0	-.4
Miscellaneous plastics products	54.3	55.4	55.2	-1.1	-.9

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	July 1989[b]	June 1989[c]	July 1988[c]	From Last Month	From Last Year
Nonmanufacturing	3694.7	3719.4	3578.0	-24.7	116.7
Mining	17.5	19.8	19.8	-2.3	-2.4
Bituminous coal and lignite mining	5.4	7.9	8.0	-2.5	-2.6
Oil and gas extraction	6.7	6.6	6.8	.1	-.1
Construction	215.1	206.5	199.5	8.6	15.6
General building contractors	53.9	51.9	50.8	2.0	3.1
Heavy construction contractors	28.8	27.4	26.8	1.4	2.0
Highway and street construction	11.2	10.5	10.7	.7	.5
Special trade contractors	132.4	127.2	121.9	5.2	10.5
Transportation and Public Utilities	216.2	216.0	213.4	.2	2.8
Railroad transportation	13.2	13.2	13.6	.0	-.4
Transportation, except railroads	114.9	115.0	110.4	-.1	4.5
Trucking and warehousing	77.9	77.5	75.8	.4	2.2
Communication, electric, gas services	88.1	87.8	89.5	.3	-1.4
Communication	45.8	45.7	47.1	.0	-1.3
Electric, gas, and sanitary services	42.3	42.1	42.4	.2	.0
Wholesale Trade	263.7	263.1	256.1	.6	7.6
Wholesale trade-durable goods	166.8	166.5	162.4	.4	4.4
Motor vehicles & automotive equipment	23.3	23.3	22.7	.0	.6
Electrical goods	18.5	18.5	18.5	.1	.1
Machinery, equipment, and supplies	71.2	71.1	69.3	.1	1.9
Wholesale trade-nondurable goods	96.9	96.7	93.7	.2	3.1
Groceries and related products	30.7	30.9	30.1	-.1	.7
Retail Trade	913.8	912.5	881.1	1.3	32.7
General merchandise stores	120.6	120.2	117.6	.4	3.0
Department stores	102.8	102.6	101.1	.2	1.7
Food stores	146.4	145.9	139.2	.5	7.2
Automotive dealers & service stations	99.9	99.5	96.8	.4	3.1
Apparel and accessory stores	45.9	45.8	43.9	.1	2.0
Eating and drinking places	313.3	314.0	307.9	-.6	5.4
Finance, Insurance, and Real Estate	258.6	257.0	252.8	1.6	5.8
Banking	65.6	65.3	64.5	.3	1.2
Credit agencies other than banks	38.8	38.7	38.7	.2	.1
Insurance carriers	70.9	70.6	69.8	.2	1.0
Life insurance	26.0	26.2	25.7	-.2	.4
Fire, marine, and casualty insurance	31.6	31.2	31.3	.4	.3
Services	1151.9	1149.9	1103.1	2.0	48.9
Hotels and other lodging places	40.0	39.4	38.3	.6	1.7
Personal services	58.1	58.3	56.1	-.2	2.0
Laundry, cleaning, & garment services	19.4	19.4	18.8	.0	.6
Business services	243.6	239.3	226.0	4.3	17.6
Services to buildings	33.6	33.2	32.2	.3	1.4
Computer and data processing services	23.9	23.3	21.9	.6	2.0
Amusement and recreation services	55.3	54.3	55.3	1.0	.0
Health services	384.6	382.0	372.5	2.6	12.1
Nursing and personal care facilities	84.4	84.1	81.9	.3	2.5
Hospitals	187.6	186.4	183.3	1.3	4.3
Educational services	52.2	59.3	49.9	-7.2	2.2
Colleges and universities	26.2	30.2	24.7	-3.9	1.5
Government	657.9	694.5	652.2	-36.6	5.8
Federal government	96.4	96.4	94.5	.1	1.9
State government	142.8	154.4	139.8	-11.7	3.0
State government education	65.7	78.1	63.2	-12.3	2.5
State government, except education	77.0	76.4	76.6	.7	.5
Local government	418.8	443.8	417.9	-25.0	.9
Local government education	220.7	249.8	223.8	-29.1	-3.0
Local government, except education	198.0	194.0	194.1	4.0	3.9

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Ohio

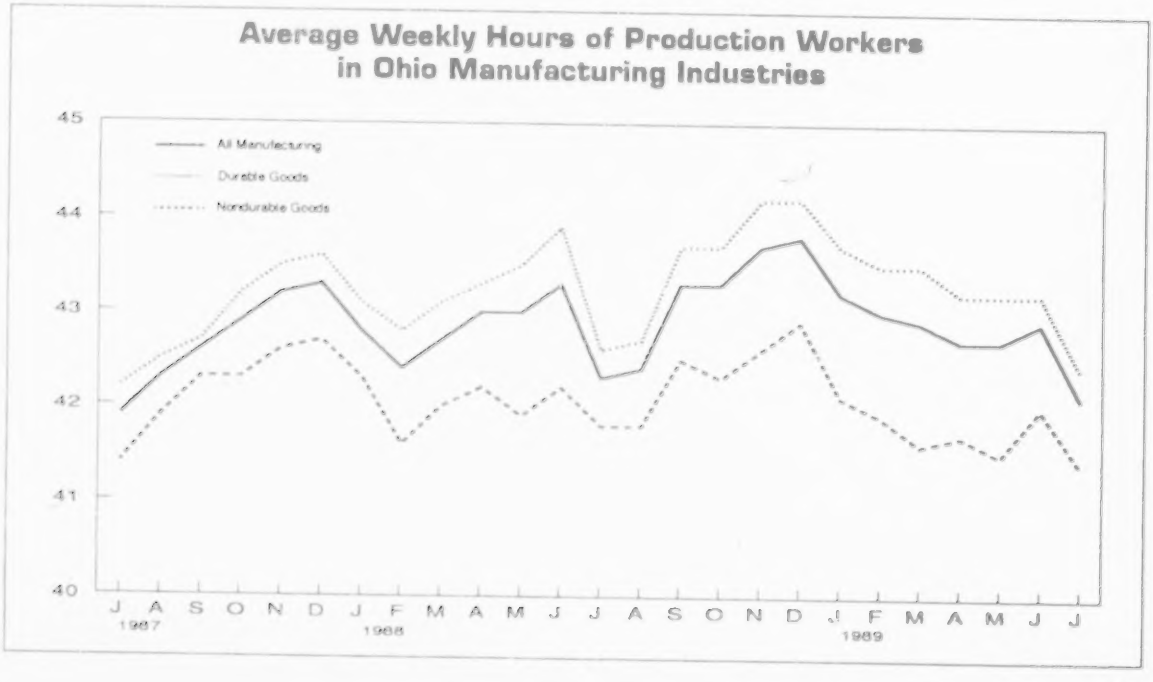
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]
Manufacturing	$514.46	$527.24	$502.52	42.1	42.9	42.3	$12.22	$12.29	$11.88
Durable Goods[e]	532.54	546.05	521.85	42.4	43.2	42.6	12.56	12.64	12.25
Lumber and wood products	329.65	341.55	319.90	40.3	41.5	41.6	8.18	8.23	7.69
Furniture and fixtures	369.44	386.90	367.43	40.2	42.1	41.1	9.19	9.19	8.94
Stone, clay, and glass products	477.22	472.01	458.53	42.8	42.6	42.3	11.15	11.08	10.84
Glass and glassware, pressed or blown	506.60	495.40	495.85	42.5	41.7	42.2	11.92	11.88	11.75
Primary metal industries	612.41	632.19	607.31	43.9	44.9	44.2	13.95	14.08	13.74
Blast furnace and basic steel products	653.31	661.81	648.99	45.4	45.8	45.8	14.39	14.45	14.17
Iron and steel foundries	587.85	644.36	590.44	42.2	44.5	42.6	13.93	14.48	13.86
Nonferrous rolling and drawing	650.62	655.23	615.94	41.6	42.3	41.2	15.64	15.49	14.95
Fabricated metal products	507.36	507.53	498.80	42.0	42.4	42.2	12.08	11.97	11.82
Cutlery, hand tools, and hardware	507.91	506.72	472.80	40.6	40.7	40.0	12.51	12.45	11.82
Fabricated structural metal products	459.85	456.60	458.15	42.5	42.2	42.5	10.82	10.82	10.78
Metal forgings and stampings	633.63	618.30	608.14	42.9	42.7	43.1	14.77	14.48	14.11
Machinery, except electrical	523.08	536.36	517.65	42.7	43.5	43.5	12.25	12.33	11.90
Construction and related machinery	427.79	453.47	429.70	39.5	41.3	41.8	10.83	10.98	10.28
Metalworking machinery	510.85	521.54	505.79	43.7	44.5	44.8	11.69	11.72	11.29
Special industry machinery	510.95	522.90	523.22	44.2	45.0	45.3	11.56	11.62	11.55
General industrial machinery	543.54	568.94	524.06	42.2	43.9	42.4	12.88	12.96	12.36
Office and computing machines	465.37	463.29	460.08	41.7	41.7	42.6	11.16	11.11	10.80
Refrigeration and service machinery	572.35	595.78	591.16	41.9	42.8	42.9	13.66	13.92	13.78
Electric and electronic equipment	452.28	460.37	457.56	40.6	41.4	41.0	11.14	11.12	11.16
Electrical industrial apparatus	451.94	467.64	464.58	41.5	43.3	42.7	10.89	10.80	10.88
Household appliances	498.98	500.61	474.38	40.9	41.0	40.1	12.20	12.21	11.83
Electric lighting and wiring equipment	435.44	461.50	458.61	38.5	40.2	40.3	11.31	11.48	11.38
Communication equipment	509.83	476.69	482.86	42.1	40.5	41.2	12.11	11.77	11.72
Transportation equipment	691.24	712.80	639.64	44.0	45.0	42.9	15.71	15.84	14.91
Motor vehicles and equipment	716.48	741.38	658.94	44.2	45.4	42.9	16.21	16.33	15.36
Aircraft and parts	650.46	647.35	601.34	44.4	44.4	43.2	14.65	14.58	13.92
Instruments and related products	376.11	377.88	370.40	39.8	40.2	40.0	9.45	9.40	9.26
Measuring and controlling devices	370.36	373.07	359.21	38.3	38.7	38.5	9.67	9.64	9.33
Nondurable Goods[f]	472.37	480.48	461.47	41.4	42.0	41.8	11.41	11.44	11.04
Food and kindred products	459.64	469.79	447.30	41.9	42.4	42.0	10.97	11.08	10.65
Meat products	361.49	366.53	374.67	40.3	40.5	41.4	8.97	9.05	9.05
Dairy products	466.28	476.10	465.21	42.7	43.4	43.6	10.92	10.97	10.67
Preserved fruits and vegetables	483.48	492.47	459.95	41.5	42.2	41.4	11.65	11.67	11.11
Bakery products	469.13	485.60	467.25	38.9	40.0	39.8	12.06	12.14	11.74
Beverages	444.79	461.18	470.24	42.2	42.9	43.3	10.54	10.75	10.86
Apparel and other textile products	290.25	293.74	292.79	37.5	38.0	39.3	7.74	7.73	7.45
Paper and allied products	490.48	491.33	496.13	43.1	43.4	44.1	11.38	11.39	11.25
Misc. converted paper products	434.42	439.38	464.27	42.3	42.7	44.9	10.27	10.29	10.34
Paperboard containers and boxes	420.51	430.61	428.66	41.8	42.3	42.4	10.06	10.18	10.11
Printing and publishing	453.46	447.30	440.27	39.5	39.1	39.1	11.48	11.44	11.26
Newspapers	372.19	371.18	371.07	33.5	33.5	34.2	11.11	11.08	10.85
Commercial printing	449.90	451.95	432.12	40.9	40.9	39.9	11.00	11.05	10.83
Chemicals and allied products	573.50	586.95	554.65	42.2	43.0	42.6	13.59	13.65	13.02
Industrial inorganic chemicals	586.87	612.32	567.74	42.9	44.5	42.4	13.68	13.76	13.39
Rubber and misc. plastics products	444.11	462.03	434.70	41.7	43.1	42.0	10.65	10.72	10.35
Tires and inner tubes	711.02	730.79	675.19	46.2	47.3	45.9	15.39	15.45	14.71
Miscellaneous plastics products	424.15	445.55	413.17	41.1	42.8	41.4	10.32	10.41	9.98

See footnotes on page 13.

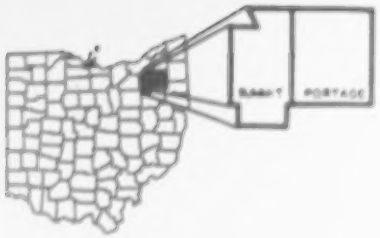
Hours and Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]
Mining	$547.99	$576.32	$536.21	44.3	43.3	43.0	$12.37	$13.31	$12.47
Bituminous coal and lignite mining	686.38	701.36	630.59	42.5	42.2	40.5	16.15	16.62	15.57
Construction	626.18	581.78	600.40	40.9	38.0	40.0	15.31	15.31	15.01
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	599.87	592.02	573.09	41.6	41.4	41.2	14.42	14.30	13.91
Communication	575.81	572.36	547.56	41.1	41.0	40.5	14.01	13.96	13.52
Electric, gas, and sanitary services	626.03	613.21	604.14	42.1	41.8	42.1	14.87	14.67	14.35
Wholesale Trade	409.76	402.48	391.78	39.4	39.0	39.1	10.40	10.32	10.02
Wholesale trade-durable goods	396.63	391.72	385.34	39.0	38.9	39.2	10.17	10.07	9.83
Wholesale trade-nondurable goods	431.60	421.69	403.26	40.0	39.3	39.0	10.79	10.73	10.34
Retail Trade[h]	177.24	174.24	169.94	29.2	28.8	29.3	6.07	6.05	5.80
General merchandise stores	186.06	183.28	182.65	29.3	29.0	28.9	6.35	6.32	6.32
Department stores	191.16	188.69	187.05	29.5	29.3	29.0	6.48	6.44	6.45
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	271.21	268.24	268.94	....	....	....	.....	.....	.....
Credit agencies other than banks	278.53	280.27	274.43	....	....	....	.....	.....	.....
Insurance carriers	388.90	390.05	371.48	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	354.14	351.43	343.73	32.7	32.6	33.6	10.83	10.78	10.23

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

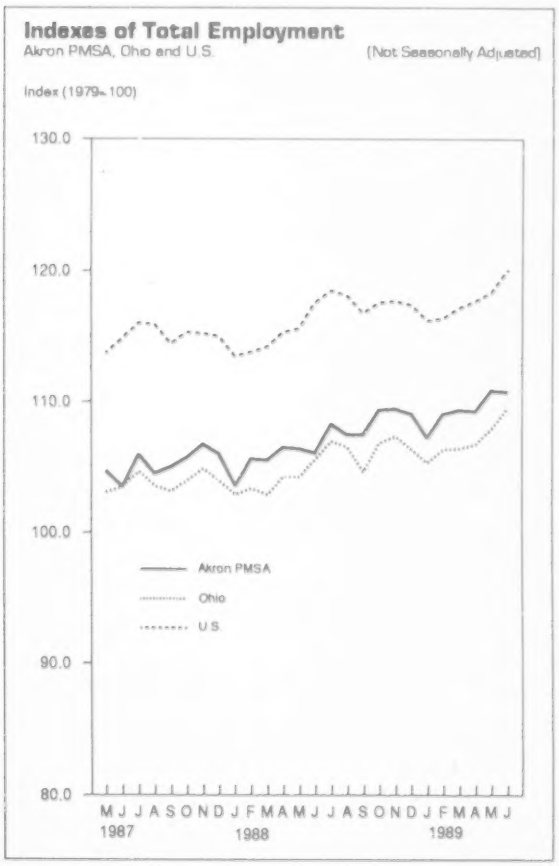


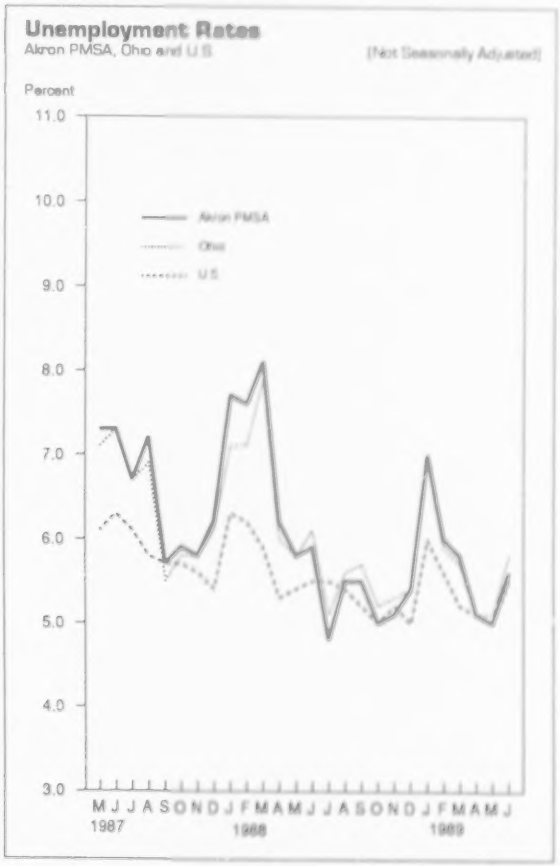
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



In the Akron metropolitan area, nonfarm wage and salary employment declined 900 from the June level to 278,900 in July 1989. Nonmanufacturing employment decreased 1,000. Seasonal layoffs of nonteaching personnel in local schools and less business in retail trade negated modest gains in construction and services. Scattered increases among producers of nondurable goods raised manufacturing employment 200 over the month to 66,400. Factory production workers averaged $11.33 per hour, down $.05 from June. Their average workweek of 42.1 hours was .2 hours shorter.

Nonagricultural payroll employment advanced 8,300 between July 1988 and July 1989. The leading growth sectors were services, especially business services, and retail trade. Moderate improvements were also noted in construction and wholesale trade. Manufacturing employment was 300 higher over the year as expansion in nondurable-goods industries, particularly rubber and miscellaneous plastics products, more than offset a decline in fabricated metal products.





Akron PMSA Labor Force and Employment Data

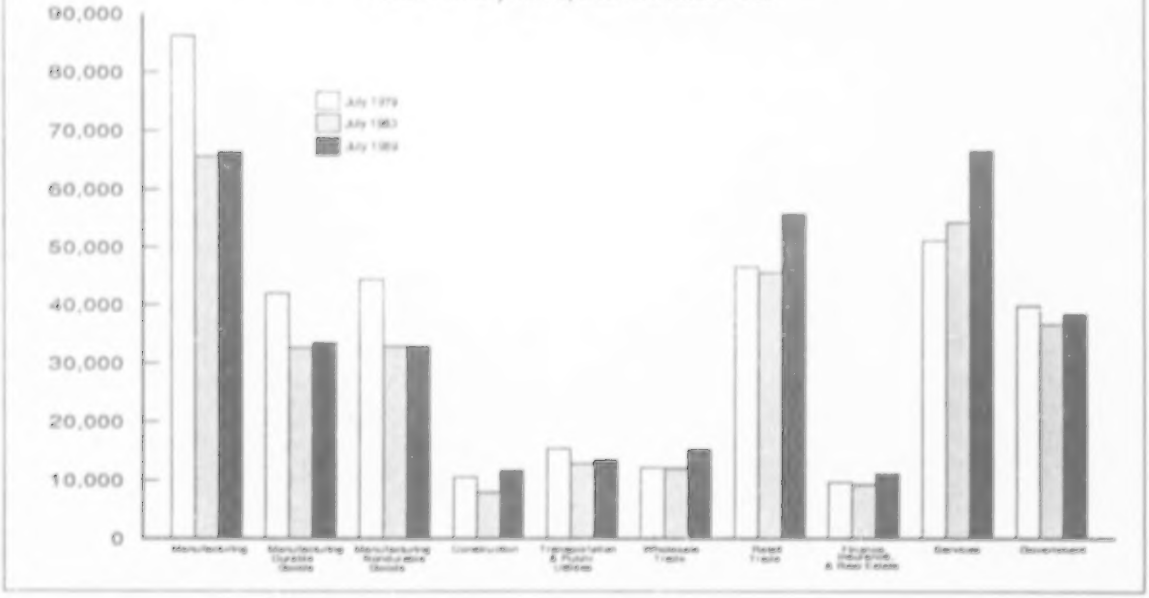
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
296.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	$304.14	42.3	$ 7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	1988	271.9	65.8	37.5	496.37	43.2	11.49
				1988						
322.0	302.9	19.1	5.9	June	270.4	66.4	38.0	518.62	44.1	11.76
324.5	309.1	15.5	4.8	July	270.6	66.0	37.7	493.93	43.1	11.46
324.7	306.7	17.9	5.5	August	269.0	64.8	36.5	480.53	42.6	11.28
324.8	306.9	17.9	5.5	September	276.8	65.4	37.3	489.89	43.2	11.34
328.7	312.2	16.5	5.0	October	277.2	65.4	37.5	488.78	42.8	11.42
329.3	312.4	16.9	5.1	November	281.7	67.0	39.2	496.78	42.9	11.58
329.3	311.3	17.9	5.4	December	279.7	66.6	39.0	493.06	43.1	11.44
				1989						
329.4	306.2	23.2	7.0	January	268.5	66.8	39.1	489.77	42.7	11.47
331.3	311.4	19.9	6.0	February	273.8	66.3	38.9	483.36	42.4	11.40
331.2	312.1	19.1	5.8	March	276.6	66.1	38.7	488.49	42.7	11.44
328.6	311.8	16.7	5.1	April	279.0	66.1	38.9	485.18	42.3	11.47
333.1	316.5	16.6	5.0	May	283.1	65.0	38.8	488.62	42.6	11.47
335.0	316.3	18.7	5.6	June	279.7	66.2	38.9	477.14	42.3	11.28
INA	INA	INA	INA	July	278.9	66.4	38.9	476.99	42.1	11.33

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Akron Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1989[b]	June 1989[c]	July 1988[c]	From Last Month	From Last Year
Total	278.9	279.8	270.6	-.9	8.3
Manufacturing	66.4	66.2	66.0	.2	.3
Durable Goods[e]	33.5	33.5	34.1	.0	-.5
Fabricated metal products	10.8	10.8	11.1	.0	-.4
Machinery, except electrical	9.5	9.5	9.5	.0	.1
Metalworking machinery	3.5	3.5	3.3	.0	.1
Nondurable Goods[f]	32.9	32.7	32.0	.2	.9
Food and kindred products	3.0	3.0	3.0	.0	.0
Chemicals and allied products	3.6	3.5	3.6	.0	.0
Rubber and misc. plastics products	19.5	19.5	19.1	.0	.3
Tires and inner tubes	10.1	10.1	10.5	.0	-.4
Nonmanufacturing[g]	212.5	213.6	204.6	-1.0	8.0
Construction	11.5	11.0	10.7	.5	.8
Transportation and Public Utilities	13.3	13.2	13.1	.1	.3
Communication, electric, gas services	4.8	4.8	4.9	.0	-.1
Wholesale Trade	15.1	15.1	14.5	.0	.6
Retail Trade	55.8	56.1	53.5	-.3	2.4
General merchandise stores	6.5	6.5	6.5	.0	.0
Finance, Insurance, and Real Estate	11.0	10.9	10.9	.1	.1
Banking	3.2	3.2	3.2	.0	.0
Services	66.6	66.3	63.2	.3	3.4
Business services	14.8	14.5	13.3	.3	1.5
Amusement and recreation services	4.8	4.7	4.2	.2	.6
Health services	20.5	20.5	20.1	.1	.4
Government	38.4	40.1	38.1	-1.7	.3
State government	11.6	11.8	11.0	-.2	.6
State government education[h]	8.6	8.8	7.9	-.2	.7
State government, except education	3.0	3.0	3.1	.0	-.1
Local government	24.2	25.4	24.7	-1.6	-.5
Local government education	12.2	13.8	12.7	-1.6	-.6
Local government, except education	12.0	12.0	12.0	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]
Manufacturing	$476.99	$477.14	$493.93	42.1	42.3	43.1	$11.33	$11.28	$11.46
Durable Goods[e]	486.36	487.72	496.72	42.0	42.3	42.6	11.58	11.53	11.66
Fabricated metal products	576.85	581.02	589.36	41.5	41.8	42.4	13.90	13.90	13.90
Machinery, except electrical	464.87	465.47	471.05	44.4	44.5	45.6	10.47	10.46	10.33
Metalworking machinery	488.17	489.86	500.81	44.5	44.9	46.5	10.97	10.91	10.77
Nondurable Goods[f]	465.30	462.51	489.68	42.3	42.2	43.8	11.00	10.96	11.18
Food and kindred products	412.98	405.59	459.36	42.4	41.9	43.5	9.74	9.68	10.56
Chemicals and allied products	481.11	486.71	508.08	40.6	40.9	43.5	11.85	11.90	11.68
Rubber and misc. plastics products	489.72	494.06	510.27	43.3	43.8	44.8	11.31	11.28	11.39
Tires and inner tubes	873.31	871.74	824.24	52.2	52.2	51.1	16.73	16.70	16.13
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	598.43	595.33	576.22	41.5	41.4	41.1	14.42	14.38	14.02
Wholesale Trade	371.26	355.20	352.12	38.0	37.0	37.7	9.77	9.60	9.34
Retail Trade[h]	216.15	212.98	200.23	33.0	32.5	32.4	6.55	6.55	6.18

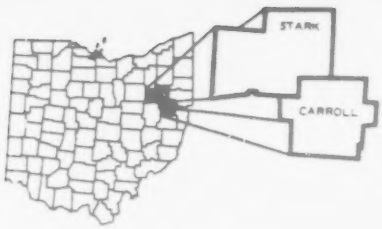
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Akron PMSA

	July 1989	June 1989	July 1988
Employment Service Program			
New Applicants	1,275	2,593	2,245
Active File of Job Seekers	14,878	13,929	17,305
Referrals to Jobs	577	1,910	1,972
Placements	337	967	533
Job Openings Received	2,107	1,685	1,379
Job Openings Unfilled	1,501	1,805	2,494
Unemployment Insurance Program			
Initial Claims	3,084	1,914	2,822
Continued Claims	17,690	17,351	19,341
First Payments	970	843	878
Last Payments	384	483	314
Weeks Compensated	13,693	16,954	13,327
Benefits Paid	$2,255,929	$2,568,906	$1,923,566
Average Weekly Payment	$157.89	$157.94	$147.96

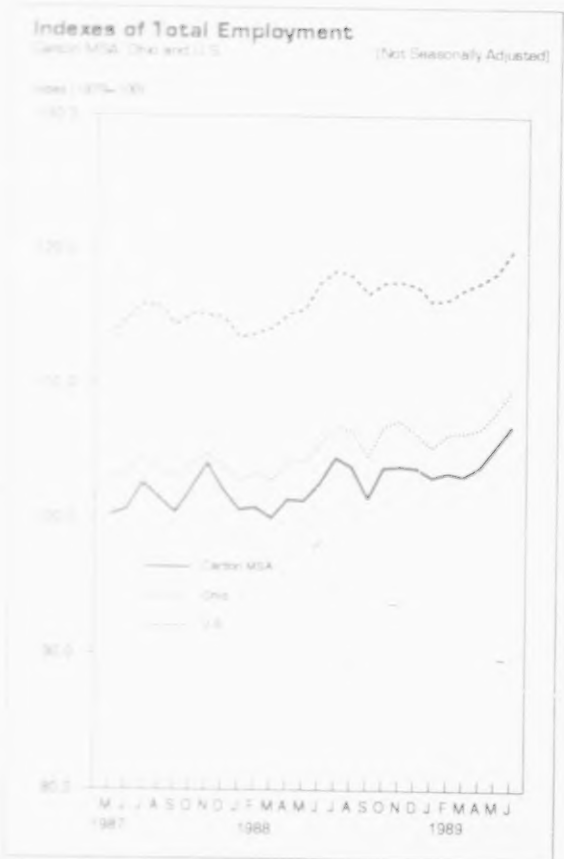
CANTON METROPOLITAN STATISTICAL AREA

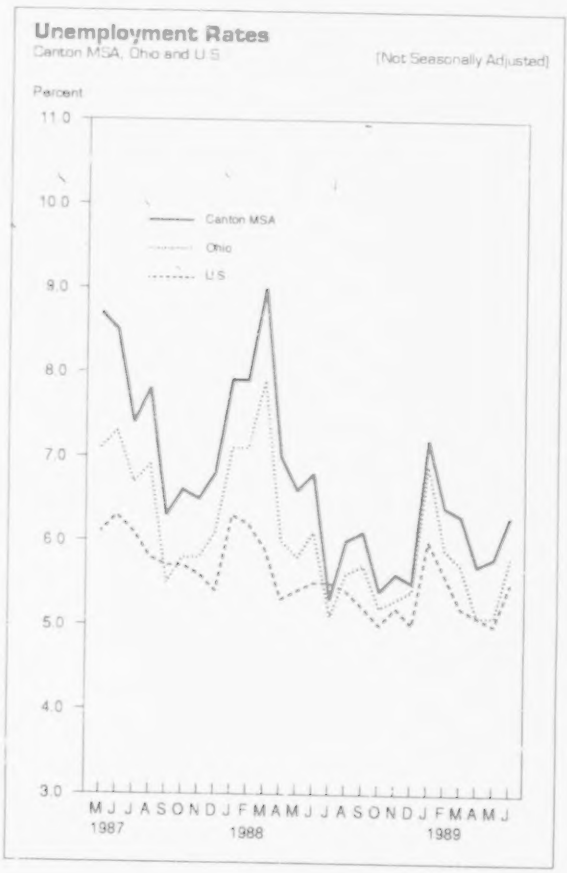


Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

Nonagricultural payroll employment in the Canton metropolitan area decreased 300 from June to 165,300 in July 1989. Reductions in primary metal industries and fabricated metal products helped lower the manufacturing workforce 500 over the month to 45,400. Nonmanufacturing employment increased 100 as scattered improvements more than offset the seasonal loss of nonteaching personnel in local schools. Factory production workers averaged $11.87 per hour, up fractionally from June. Their average workweek of 41.8 hours was .4 hours shorter.

Total nonfarm wage and salary employment advanced 4,800 between July 1988 and July 1989. The gain was concentrated in the nonmanufacturing sector. Primary areas of expansion were services and retail trade. Notable improvement also occurred in construction. Manufacturing employment rose 200 during the period with marginal growth in both durable- and nondurable-goods industries. Employment in fabricated metal products, primary metal industries, and rubber and miscellaneous plastics products declined.





Canton MSA Labor Force and Employment Data

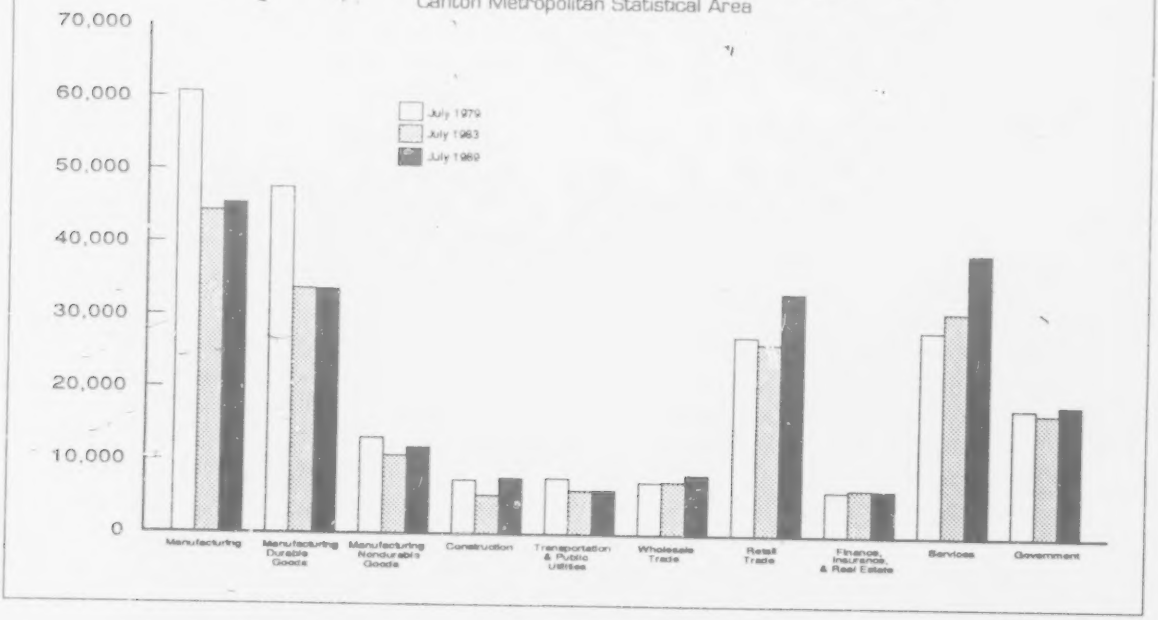
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	$304.67	40.3	$ 7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	159.5	44.9	32.1	489.49	42.9	11.41
				1988						
191.5	178.4	13.1	6.8	June	160.8	45.1	32.3	485.78	42.8	11.35
191.9	181.7	10.2	5.3	July	160.6	45.2	32.3	475.88	42.3	11.25
192.3	180.6	11.6	6.0	August	159.7	44.7	31.8	474.47	42.1	11.27
188.0	176.5	11.5	6.1	September	160.9	45.1	32.2	487.34	42.6	11.44
190.9	180.5	10.3	5.4	October	162.2	45.3	32.4	493.78	42.9	11.51
191.4	180.7	10.7	5.6	November	163.6	45.4	32.7	490.78	42.9	11.44
191.0	180.5	10.4	5.5	December	163.0	45.7	33.0	499.23	43.0	11.61
				1989						
193.0	179.2	13.9	7.2	January	160.0	46.0	33.2	500.39	43.1	11.61
192.1	179.7	12.3	6.4	February	159.1	45.3	32.5	491.90	42.7	11.52
191.5	179.4	12.1	6.3	March	160.0	45.2	32.4	497.03	42.3	11.75
191.7	180.7	11.0	5.7	April	162.7	45.5	32.7	496.27	42.2	11.76
194.6	183.3	11.3	5.8	May	165.0	45.8	32.9	497.20	42.1	11.81
198.4	185.9	12.4	6.3	June	165.7	45.9	32.9	500.49	42.2	11.86
INA	INA	INA	INA	July	165.3	45.4	32.6	496.17	41.8	11.87

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Canton Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1989[b]	June 1989[c]	July 1988[c]	From Last Month	From Last Year
Total	165.3	165.7	160.6	-.3	4.8
Manufacturing	45.4	45.9	45.2	-.5	.2
Durable Goods[e]	33.5	34.0	33.4	-.5	.1
Primary metal industries	11.3	11.5	11.3	-.3	-.1
Fabricated metal products	6.5	6.6	6.7	-.1	-.2
Metal forgings and stampings	2.3	2.3	2.1	.0	.2
Nondurable Goods[f]	11.9	11.9	11.8	.0	.1
Food and kindred products	3.4	3.4	3.3	.0	.1
Rubber and misc. plastics products	2.9	2.9	2.9	.0	-.1
Nonmanufacturing[g]	120.0	119.8	115.4	.1	4.6
Construction	7.7	7.3	6.9	.3	.7
Transportation and Public Utilities	6.1	6.2	5.9	.0	.2
Communication, electric, gas services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.2	8.2	8.0	.1	.2
Wholesale trade-durable goods	4.5	4.5	4.4	.0	.1
Retail Trade	33.4	33.4	31.8	-.1	1.5
General merchandise stores	4.0	4.0	3.9	.0	.1
Food stores	5.7	5.7	5.3	.0	.4
Finance, Insurance, and Real Estate	6.4	6.4	6.5	.0	-.2
Banking	1.8	1.8	1.8	.0	.0
Services	39.0	38.9	37.2	.1	1.8
Health services	15.5	15.5	15.2	.0	.2
Government	18.2	18.6	18.0	-.3	.2
State government (includes education)	1.6	1.6	1.7	.0	-.1
Local government	15.2	15.6	14.8	-.3	.4
Local government education	8.6	9.1	8.4	-.5	.2
Local government, except education	6.6	6.4	6.4	.2	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]
Manufacturing	$496.17	$500.49	$475.88	41.8	42.2	42.3	$11.87	$11.86	$11.25
Durable Goods[e]	529.91	535.19	499.79	42.7	43.3	42.9	12.41	12.36	11.65
Primary metal industries	611.55	617.28	593.03	45.0	46.1	45.9	13.59	13.39	12.92
Fabricated metal products	480.36	473.93	439.42	40.4	40.3	40.8	11.89	11.76	10.77
Metal forgings and stampings	569.38	566.36	565.56	41.2	41.1	40.6	13.82	13.78	13.93
Nondurable Goods[f]	392.73	396.08	402.98	39.0	39.1	40.5	10.07	10.13	9.95
Food and kindred products	404.52	400.60	399.29	37.7	37.3	38.1	10.73	10.74	10.48
Rubber and misc. plastics products	402.55	404.21	407.13	41.5	41.5	41.0	9.70	9.74	9.93
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	588.55	580.97	558.55	41.1	41.0	40.8	14.32	14.17	13.69
Wholesale Trade	388.08	380.62	384.00	38.5	38.1	37.5	10.08	9.99	10.24
Retail Trade[h]	167.61	165.29	165.13	28.7	28.4	29.7	5.84	5.82	5.56

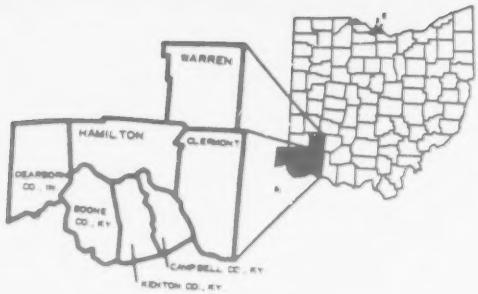
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Canton MSA

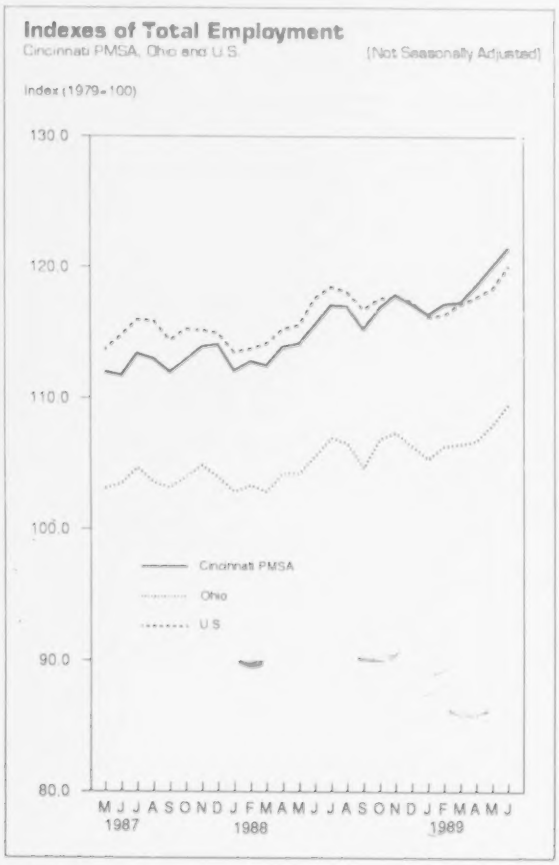
	July 1989	June 1989	July 1988
Employment Service Program			
New Applicants	734	1,082	1,956
Active File of Job Seekers	10,667	9,908	12,656
Referrals to Jobs	427	481	1,958
Placements	65	61	273
Job Openings Received	448	249	1,191
Job Openings Unfilled	349	327	2,135
Unemployment Insurance Program			
Initial Claims	2,881	2,015	1,651
Continued Claims	13,450	11,952	11,107
First Payments	970	743	554
Last Payments	211	221	217
Weeks Compensated	10,208	11,698	8,304
Benefits Paid	$1,522,318	$1,740,656	$1,121,256
Average Weekly Payment	$159.86	$155.02	$139.58

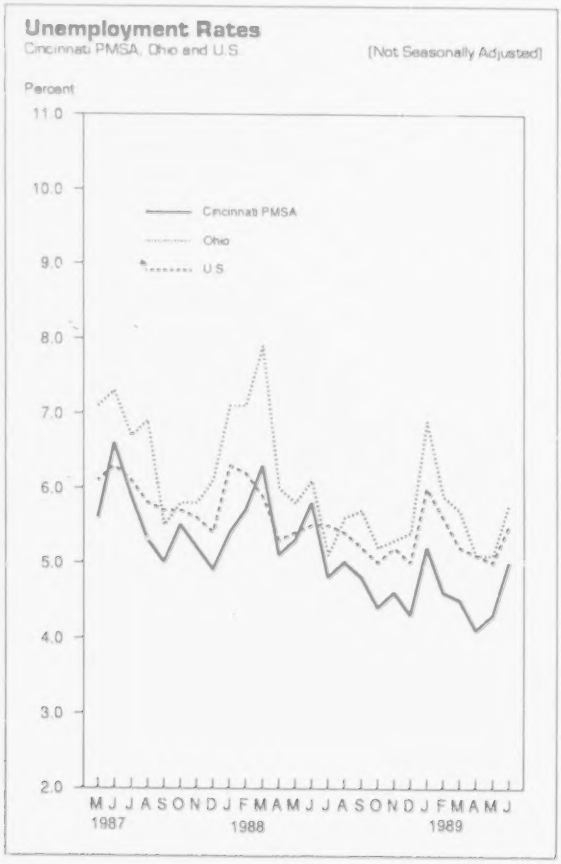
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



Nonfarm wage and salary employment in the Cincinnati metropolitan area decreased 1,500 from June to 733,300 in July 1989. Seasonal layoffs of nonteaching personnel in state and local schools and colleges outweighed expansion in construction, services, especially business services, and retail trade. Manufacturing employment declined 200 over the month to 147,200. Reductions in electric and electronic equipment, transportation equipment, apparel and other textile products, and paper and allied products negated gains in nonelectrical machinery and chemicals and allied products. Factory production workers averaged $11.40 per hour, down $.11 from June. Their average workweek of 42.4 hours was .7 hours shorter.

Nonagricultural payroll employment advanced 31,500 between July 1988 and July 1989. Significant growth occurred in services, primarily business and health services, and in retail trade. Marked improvements were also noted in construction and transportation and public utilities. The manufacturing workforce added 3,000 jobs during the period with noteworthy expansion in nonelectrical machinery, food and kindred products, electric and electronic equipment, and printing and publishing. Employment in transportation equipment declined.



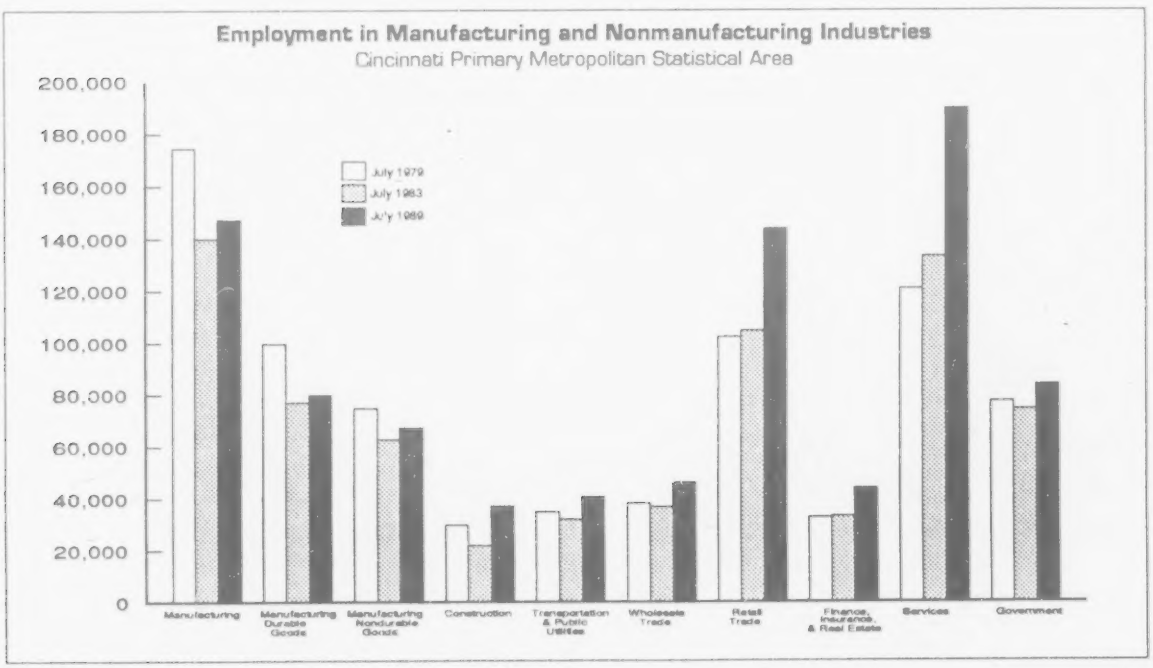


Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	$286.70	42.1	$ 6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	1988	700.2	144.5	91.7	473.88	42.5	11.15
				1988						
770.7	726.0	44.7	5.8	June	704.2	144.2	91.5	466.62	42.0	11.11
772.6	735.8	36.8	4.8	July	701.8	144.3	91.5	461.76	41.6	11.10
773.7	735.0	38.7	5.0	August	705.1	145.3	92.2	476.15	42.4	11.23
760.7	724.2	36.5	4.8	September	711.9	145.8	92.7	483.75	43.0	11.25
768.5	734.3	34.2	4.4	October	712.4	145.3	92.0	484.18	43.0	11.26
776.3	740.8	35.5	4.6	November	720.5	146.3	92.6	487.46	43.1	11.31
768.8	736.1	32.7	4.3	December	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
771.2	730.9	40.3	5.2	January	703.5	145.4	91.8	487.92	42.8	11.40
771.5	736.3	35.3	4.6	February	704.3	145.1	91.7	493.21	43.0	11.47
772.0	736.9	35.1	4.5	March	711.1	145.1	91.6	487.05	42.5	11.46
776.6	744.9	31.7	4.1	April	722.3	145.8	91.9	491.34	42.8	11.48
788.8	754.5	34.3	4.3	May	730.7	146.5	92.4	483.65	42.5	11.38
803.1	763.3	39.8	5.0	June	734.8	147.4	92.9	496.08	43.1	11.51
INA	INA	INA	INA	July	733.3	147.2	92.7	483.36	42.4	11.40

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1989[b]	June 1989[c]	July 1988[c]	From Last Month	From Last Year
Total	733.3	734.8	701.8	-1.5	31.5
Manufacturing	147.2	147.4	144.3	-.2	3.0
Durable Goods[e]	80.0	80.0	78.4	.0	1.6
Fabricated metal products	10.8	10.8	10.6	.0	.2
Fabricated structural metal products	3.7	3.6	3.7	.0	.0
Machinery, except electrical	21.7	21.7	20.6	.1	1.1
Metalworking machinery	8.9	8.9	8.8	.0	.1
General industrial machinery	3.1	3.1	3.0	.0	.1
Electric and electronic equipment	9.0	9.1	8.6	-.1	.4
Transportation equipment	23.4	23.5	24.2	-.1	-.8
Motor vehicles and equipment	4.5	4.9	4.9	-.4	-.4
Nondurable Goods[f]	67.2	67.4	65.9	-.1	1.4
Food and kindred products	13.2	13.2	12.5	.0	.7
Beverages	3.5	3.5	3.6	.0	-.1
Apparel and other textile products	3.5	3.6	3.4	-.1	.0
Paper and allied products	6.1	6.2	5.9	-.1	.3
Printing and publishing	13.4	13.4	13.1	.0	.4
Commercial printing	6.2	6.2	6.0	.0	.3
Chemicals and allied products	22.9	22.8	22.7	.1	.2
Rubber and misc. plastics products	6.0	6.1	5.9	.0	.1
Nonmanufacturing[g]	586.1	587.4	557.5	-1.3	28.6
Construction	37.0	35.8	33.1	1.2	3.9
Transportation and Public Utilities	40.8	40.8	38.0	.0	2.8
Trucking and warehousing	11.7	11.6	10.7	.1	1.0
Communication, electric, gas services	16.1	16.0	15.5	.1	.6
Wholesale Trade	46.2	46.0	44.6	.2	1.6
Wholesale trade-durable goods	27.1	27.0	26.4	.1	.7
Retail Trade	143.9	142.9	135.9	1.0	8.0
General merchandise stores	20.2	20.1	19.8	.1	.5
Finance, Insurance, and Real Estate	44.0	43.8	42.7	.2	1.3
Banking	9.6	9.6	9.2	.0	.4
Insurance carriers	14.5	14.5	14.5	.0	.0
Services	189.7	188.6	180.3	1.1	9.4
Hotels and other lodging places	8.2	8.1	7.9	.1	.4
Personal services	9.4	9.5	8.8	.0	.6
Business services	47.5	46.5	43.3	1.1	4.3
Amusement and recreation services	12.6	12.3	12.6	.2	.0
Health services	55.7	55.3	54.2	.3	1.5
Hospitals	26.6	26.4	25.8	.2	.8
Government	84.0	89.0	82.4	-4.9	1.6
Federal government	15.2	15.4	14.9	-.2	.3
State government	18.9	20.8	18.3	-1.8	.6
State government education	10.9	12.7	10.4	-1.8	.5
State government, except education	8.1	8.1	7.9	.0	.1
Local government	49.9	52.8	49.2	-2.9	.6
Local government education	25.0	28.5	25.6	-3.5	-.6
Local government, except education	24.9	24.3	23.6	.6	1.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]
Manufacturing	$483.36	$496.08	$461.76	42.4	43.1	41.6	$11.40	$11.51	$11.10
Durable Goods[e]	464.52	491.89	449.19	42.0	43.3	41.4	11.06	11.36	10.85
Fabricated metal products	413.40	413.98	420.73	41.8	42.2	42.2	9.89	9.81	9.97
Fabricated structural metal products	483.72	465.91	478.67	44.5	43.3	45.2	10.87	10.76	10.59
Machinery, except electrical	434.05	445.79	429.09	42.1	42.7	42.4	10.31	10.44	10.12
Metalworking machinery	492.39	490.62	489.95	44.2	44.2	44.1	11.14	11.10	11.11
General industrial machinery	429.70	447.10	422.67	41.8	42.5	43.8	10.28	10.52	9.65
Electric and electronic equipment	363.29	368.51	329.26	40.5	40.9	38.6	8.97	9.01	8.53
Transportation equipment	696.14	785.08	635.20	43.7	47.9	41.9	15.93	16.39	15.16
Motor vehicles and equipment	700.04	917.22	626.86	40.7	51.5	38.2	17.20	17.81	16.41
Nondurable Goods[f]	502.47	501.38	472.46	42.8	43.0	41.7	11.74	11.66	11.33
Food and kindred products	511.69	530.44	534.26	43.4	44.5	43.9	11.79	11.92	12.17
Beverages	518.71	519.94	525.85	41.2	41.2	41.9	12.59	12.62	12.55
Apparel and other textile products	231.23	232.01	209.15	36.3	37.3	36.5	6.37	6.22	5.73
Paper and allied products	475.00	480.85	422.42	43.9	44.4	41.7	10.82	10.83	10.13
Printing and publishing	475.94	460.29	456.52	41.1	40.2	40.4	11.58	11.45	11.30
Commercial printing	500.09	487.72	492.75	43.0	42.3	43.3	11.63	11.53	11.38
Chemicals and allied products	602.12	593.64	553.92	43.6	43.3	41.9	13.81	13.71	13.22
Rubber and misc. plastics products	427.41	445.18	385.73	44.2	45.8	41.7	9.67	9.72	9.25
Transportation and Public Utilities	590.78	581.60	568.41	41.4	40.9	41.1	14.27	14.22	13.83
Communication, electric, gas services									
Wholesale Trade	419.18	422.01	406.42	40.5	40.5	40.4	10.35	10.42	10.06
Retail Trade[h]	172.58	171.99	168.70	29.5	29.2	29.7	5.85	5.89	5.68
Finance, Insurance, and Real Estate									
Banking	267.79	263.08	265.67						

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

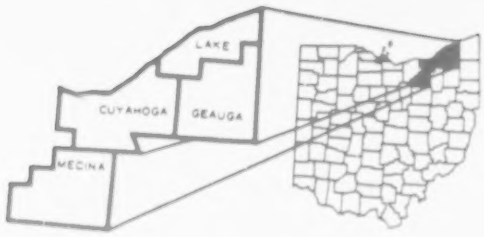
Selected Administrative Program Activities[a]

Cincinnati PMSA

	July 1989	June 1989	July 1988
Employment Service Program			
New Applicants	2,072	2,811	2,624
Active File of Job Seekers	17,382	15,746	21,162
Referrals to Jobs	1,255	1,489	1,647
Placements	364	134	271
Job Openings Received	1,743	937	1,474
Job Openings Unfilled	1,554	1,546	2,201
Unemployment Insurance Program			
Initial Claims	4,085	3,600	3,197
Continued Claims	28,757	29,318	36,602
First Payments	1,565	1,721	1,708
Last Payments	684	577	705
Weeks Compensated	23,946	27,750	27,886
Benefits Paid	$3,659,187	$4,402,231	$4,232,611
Average Weekly Payment	$157.04	$163.02	$153.70

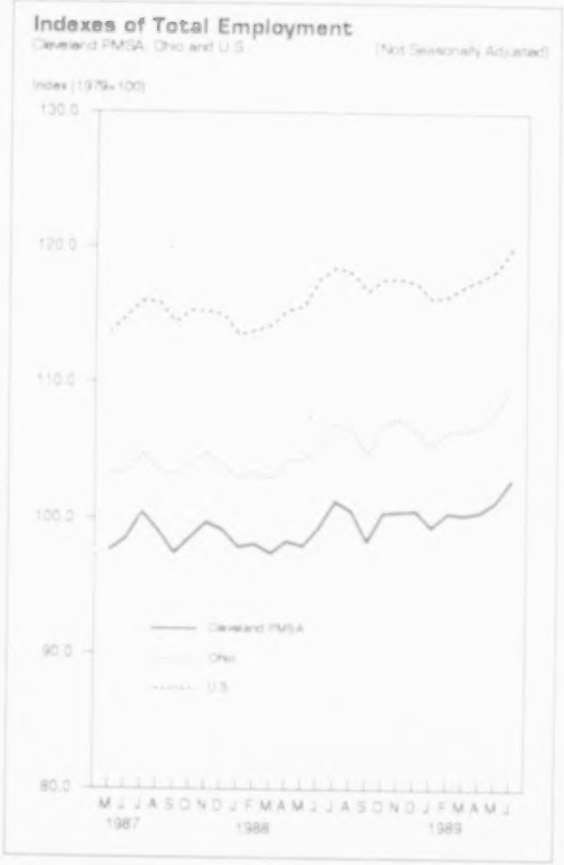
* Ohio data only

CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



In the Cleveland metropolitan area, nonagricultural payroll employment increased 400 above the June level to 934,900 in July 1989. The nonmanufacturing sector rose 1,400 due to more business in construction, finance, insurance, and real estate, and retail trade. Reductions in food and kindred products, primary metal industries, and transportation equipment lowered manufacturing employment 1,100 over the month to 203,900. Factory production workers averaged $11.90 per hour, down $.05 from June. Their average workweek declined 1.1 hours to 42.2 hours.

Total nonfarm wage and salary employment advanced 23,700 between July 1988 and July 1989. Leading areas of expansion were services, especially business and health services, and retail trade. Marked growth also occurred in finance, insurance, and real estate, wholesale trade, and construction. Manufacturing employment increased 3,200 during the period with improvements in fabricated metal products, nonelectrical machinery, electric and electronic equipment, and chemicals and allied products.



Cleveland PMSA Labor Force and Employment Data

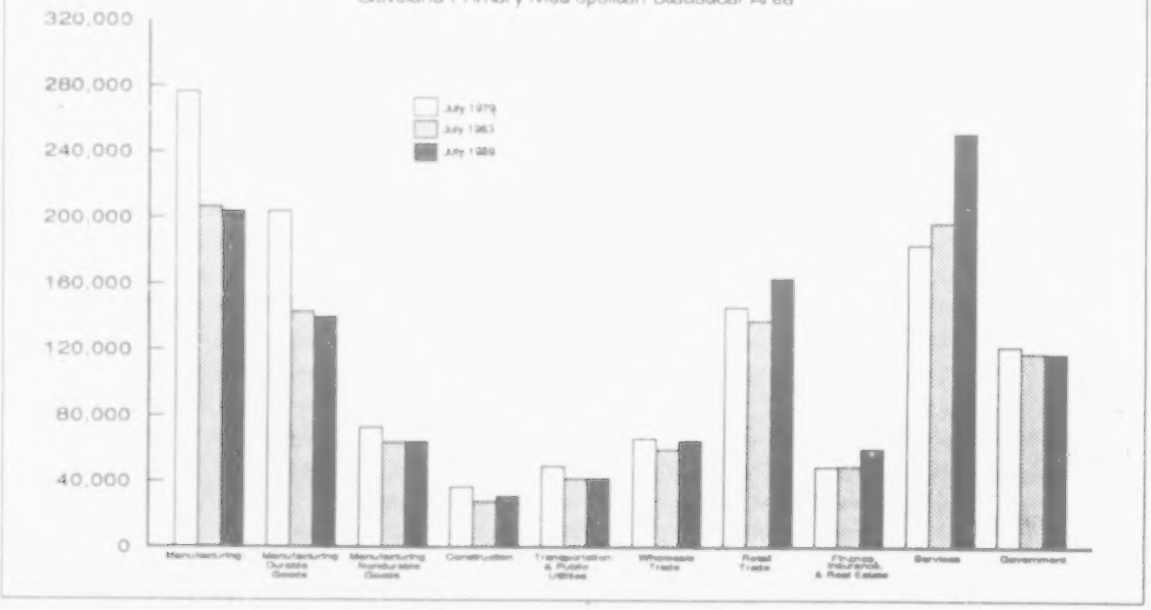
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
921.7	878.5	43.2	4.7	1978	905.8	275.6	168.0	$321.75	42.9	$ 7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	168.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	1988	904.6	201.7	130.1	512.67	43.3	11.84
				1988						
936.6	883.0	53.5	5.7	June	911	202.2	130.4	518.28	43.7	11.86
945.7	901.1	44.6	4.7	July	911.2	200.8	128.7	499.16	42.7	11.69
943.0	894.6	48.5	5.1	August	907.4	200.9	128.9	503.43	42.7	11.79
921.6	873.7	47.9	5.2	September	911.4	202.8	130.9	514.51	43.2	11.91
937.2	892.3	45.0	4.8	October	917.1	203.7	131.8	517.76	43.4	11.93
939.4	893.8	45.6	4.9	November	926.2	204.5	133.0	528.12	43.9	12.03
939.6	894.4	45.2	4.8	December	924.5	205.4	133.7	538.25	44.3	12.15
				1989						
940.3	883.9	56.4	6.0	January	902.1	204.4	132.7	527.90	43.7	12.08
939.7	892.4	47.3	5.0	February	902.8	204.7	132.5	520.80	43.4	12.00
938.3	892.2	46.1	4.9	March	909.3	204.9	132.7	522.44	43.5	12.01
934.6	893.2	41.4	4.4	April	917.2	204.9	132.6	519.17	43.3	11.99
942.2	900.4	41.8	4.4	May	926.9	204.8	131.9	514.71	43.0	11.97
963.9	915.3	48.6	5.0	June	934.5	205.0	131.7	517.44	43.3	11.95
INA	INA	INA	INA	July	934.9	203.9	130.9	502.18	42.2	11.90

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Cleveland Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1989[b]	June 1989[c]	July 1988[c]	From Last Month	From Last Year
Total	934.9	934.5	911.2	.4	23.7
Manufacturing	203.9	205.0	200.8	-1.1	3.2
Durable Goods[e]	140.0	140.4	137.4	-.4	2.6
Primary metal industries	21.5	21.6	21.2	-.2	.3
Iron and steel foundries	4.5	4.5	4.7	.0	-.2
Fabricated metal products	32.6	32.7	31.9	.0	.7
Fabricated structural metal products	4.1	4.1	3.8	.0	.3
Screw machine products, bolts, etc.	5.0	5.0	4.8	.0	.2
Metal forgings and stampings	10.7	10.8	10.8	-.1	.0
Machinery, except electrical	30.7	30.6	30.0	.1	.7
Construction and related machinery	2.6	2.6	2.6	.0	.1
Metalworking machinery	10.4	10.4	10.0	.0	.4
Special industry machinery	2.6	2.5	2.7	.1	-.1
General industrial machinery	3.3	3.3	3.1	.0	.2
Electric and electronic equipment	18.0	18.0	17.5	.0	.4
Electrical industrial apparatus	6.7	6.8	5.9	.0	.9
Transportation equipment	19.1	19.2	19.2	-.2	-.1
Motor vehicles and equipment	12.0	12.1	11.9	-.1	.1
Instruments and related products	6.5	6.5	6.4	.0	.1
Measuring and controlling devices	4.5	4.5	4.3	.0	.2
Nondurable Goods[f]	64.0	64.7	63.4	-.7	.6
Food and kindred products	6.1	6.7	6.2	-.5	-.1
Apparel and other textile products	3.4	3.5	3.6	-.1	-.2
Paper and allied products	5.9	5.9	5.9	-.1	.0
Printing and publishing	16.2	16.2	16.0	.0	.2
Chemicals and allied products	15.4	15.4	15.1	.0	.4
Rubber and misc. plastics products	11.3	11.4	11.3	-.1	.1
Nonmanufacturing[g]	731.0	729.5	710.4	1.4	20.5
Construction	31.0	30.0	30.0	1.0	1.1
Transportation and Public Utilities	41.7	41.9	41.7	-.1	.1
Trucking and warehousing	12.4	12.2	12.1	.1	.2
Communication, electric, gas services	17.3	17.3	17.7	.0	-.4
Wholesale Trade	64.7	64.5	63.3	.1	1.4
Wholesale trade-durable goods	44.9	44.8	43.9	.1	1.0
Retail Trade	163.2	162.8	158.6	.4	4.6
General merchandise stores	20.6	20.7	20.1	-.1	.5
Finance, Insurance, and Real Estate	59.7	59.2	57.8	.5	1.9
Banking	14.6	14.4	14.4	.2	.2
Credit agencies other than banks	9.1	9.0	8.9	.1	.2
Insurance carriers	14.7	14.6	14.1	.1	.6
Services	251.8	252.0	241.0	-.1	10.8
Business services	59.1	58.5	55.3	.6	3.8
Amusement and recreation services	9.6	9.3	9.6	.4	.0
Health services	79.6	79.2	77.3	.5	2.3
Hospitals	44.4	44.3	43.8	.2	.7
Government	117.7	118.1	117.2	-.5	.5
Federal government	20.7	20.8	20.9	-.2	-.2
State government	8.0	8.2	8.3	-.2	-.3
State government education[f]	2.8	3.1	2.9	-.3	-.1
State government, except education	5.2	5.1	5.4	.1	-.2
Local government	89.0	89.1	88.0	-.1	1.0
Local government education	41.1	43.2	41.3	-2.1	-.2
Local government, except education	47.9	45.9	46.7	2.0	1.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]
Manufacturing	$502.18	$517.44	$499.16	42.2	43.3	42.7	$11.90	$11.95	$11.69
Durable Goods[e]	528.58	545.68	532.88	42.8	43.9	43.5	12.35	12.43	12.25
Primary metal industries	544.54	569.54	566.25	44.2	45.6	45.3	12.32	12.49	12.50
Iron and steel foundries	774.98	889.56	732.59	45.4	50.4	43.4	17.07	17.65	16.88
Fabricated metal products	506.62	533.75	528.04	41.8	43.5	43.0	12.12	12.27	12.28
Fabricated structural metal products	424.72	427.14	393.16	42.6	42.8	40.2	9.97	9.98	9.78
Screw machine products, bolts, etc.	547.36	562.24	517.63	44.0	44.8	44.7	12.44	12.55	11.58
Metal forgings and stampings	597.59	651.65	672.44	41.1	44.3	45.1	14.54	14.71	14.91
Machinery, except electrical	506.54	514.92	496.17	43.0	43.6	42.7	11.78	11.81	11.62
Construction and related machinery	439.22	453.68	402.16	44.5	46.2	44.0	9.87	9.82	9.14
Metalworking machinery	496.37	507.32	457.38	43.2	44.0	42.0	11.49	11.53	10.89
Special industry machinery	477.34	485.62	450.30	41.4	41.4	39.5	11.53	11.73	11.40
General industrial machinery	484.36	495.07	505.57	42.6	43.2	44.9	11.37	11.46	11.26
Electric and electronic equipment	454.21	467.60	454.27	40.7	41.9	41.6	11.16	11.16	10.92
Electrical industrial apparatus	510.62	545.23	534.02	42.2	44.4	44.8	12.10	12.28	11.92
Transportation equipment	725.31	738.97	718.11	44.8	45.7	46.3	16.19	16.17	15.51
Motor vehicles and equipment	814.32	837.33	791.27	45.8	47.2	46.3	17.78	17.74	17.09
Instruments and related products	412.76	417.16	423.16	41.4	41.8	42.7	9.97	9.98	9.91
Measuring and controlling devices	449.43	453.90	466.47	42.2	42.5	43.8	10.65	10.68	10.65
Nondurable Goods[f]	435.49	445.12	417.18	40.7	41.6	40.7	10.70	10.70	10.25
Food and kindred products	435.92	467.41	415.49	40.4	43.0	41.8	10.79	10.87	9.94
Apparel and other textile products	340.13	339.07	330.83	37.5	37.8	40.1	9.07	8.97	8.25
Paper and allied products	459.38	483.96	465.92	41.8	43.6	41.6	10.99	11.10	11.20
Printing and publishing	413.19	410.22	378.79	37.7	37.6	35.5	10.96	10.91	10.67
Chemicals and allied products	542.01	546.56	503.84	43.5	43.9	43.1	12.46	12.45	11.69
Rubber and misc. plastics products	371.18	387.97	384.34	41.8	43.3	42.8	8.88	8.96	8.98
Transportation and Public Utilities	...	...	...	...	...	...	...	...	...
Communication, electric, gas services	636.55	630.66	591.02	42.1	42.1	41.1	15.12	14.98	14.38
Wholesale Trade	442.97	432.06	420.62	39.8	39.1	39.2	11.13	11.05	10.73
Retail Trade[h]	191.03	189.00	191.43	28.3	28.0	28.7	6.75	6.75	6.67
Finance, Insurance, and Real Estate	...	...	...	...	...	...	...	...	...
Banking	310.43	305.15	308.15	...	...	...	...	...	...
Services	...	...	...	...	...	...	...	...	...
Health services	...	...	...	...	...	...	...	...	...
Hospitals	352.66	351.21	344.86	30.8	30.7	32.2	11.45	11.44	10.71

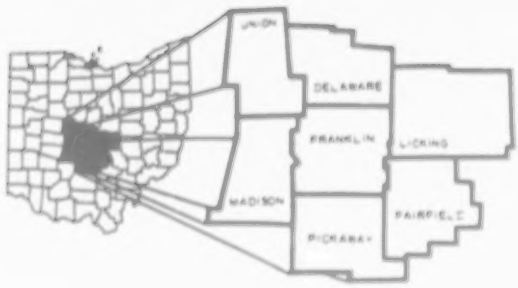
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Cleveland PMSA

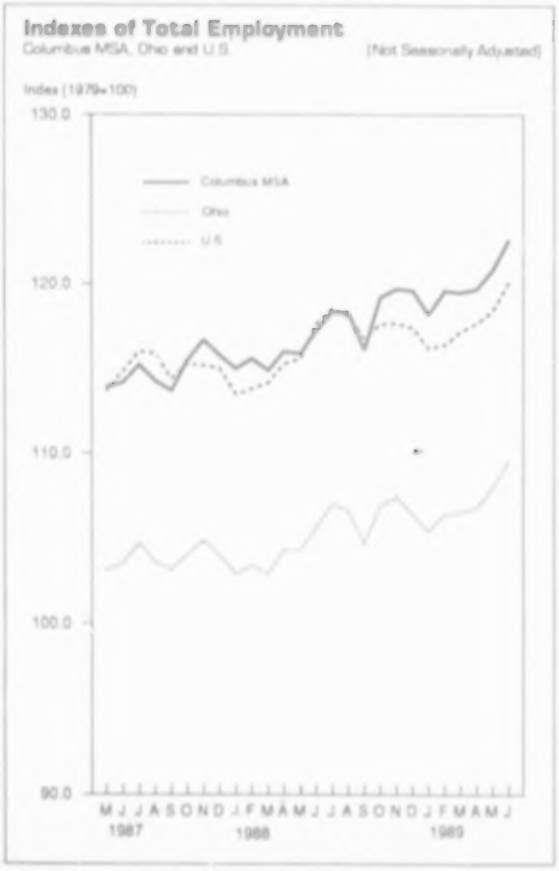
	July 1989	June 1989	July 1988
Employment Service Program			
New Applicants	2,927	4,229	4,484
Active File of Job Seekers	47,519	44,934	56,512
Referrals to Jobs	1,325	2,159	2,344
Placements	237	279	926
Job Openings Received	2,052	1,154	1,682
Job Openings Unfilled	3,624	3,834	4,256
Unemployment Insurance Program			
Initial Claims	6,385	5,811	6,557
Continued Claims	44,621	44,652	50,211
First Payments	2,426	2,382	2,659
Last Payments	835	960	1,186
Weeks Compensated	34,244	39,667	40,385
Benefits Paid	$5,320,096	$6,185,092	$6,056,452
Average Weekly Payment	$160.15	$159.96	$152.76

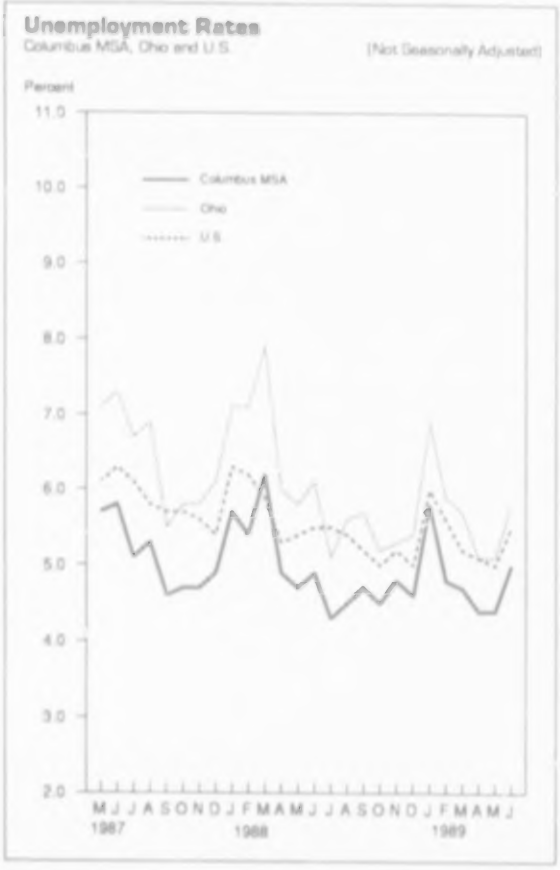
COLUMBUS METROPOLITAN STATISTICAL AREA



Total nonfarm payroll employment in the Columbus metropolitan area declined 6,600 from the June level to 699,100 in July 1989. Seasonal layoffs of nonteaching personnel in state and local schools and colleges negated moderate growth in construction and services. Manufacturing employment, at 103,200, added 100 workers over the month. Modest increases in transportation equipment and food and kindred products offset reductions in stone, clay, and glass products and fabricated metal products. Factory production workers averaged $12.04 per hour, up $.08 from June. Their average workweek of 41.2 hours was .1 hours longer.

Nonagricultural wage and salary employment advanced 24,000 between July 1988 and July 1989. Leading areas of expansion were services, especially business and health services, retail trade, and construction. Significant improvements also occurred in wholesale trade, transportation and public utilities, and finance, insurance, and real estate. The manufacturing workforce increased 800 during the period with gains in transportation equipment, instruments and related products, and printing and publishing.





Columbus MSA Labor Force and Employment Data

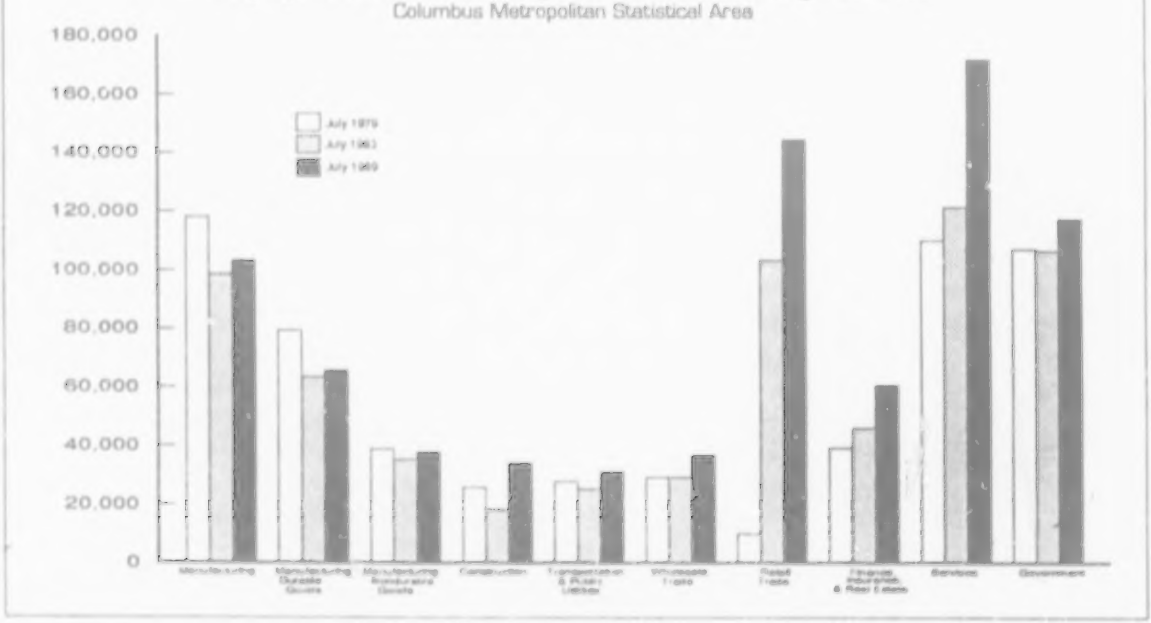
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	1988	678.1	102.6	67.9	480.16	41.5	11.57
				1988						
711.8	676.8	35.0	4.9	June	681.6	102.7	68.1	480.16	41.5	11.57
713.7	683.2	30.5	4.3	July	675.0	102.4	67.7	475.45	41.2	11.54
715.6	683.1	32.3	4.5	August	676.7	102.6	68.2	471.65	40.8	11.56
703.2	670.4	32.8	4.7	September	683.6	103.9	68.9	481.48	41.4	11.63
720.8	686.5	32.3	4.5	October	691.7	103.9	69.0	486.22	41.7	11.66
725.5	691.0	34.5	4.8	November	700.0	104.1	69.1	489.39	41.9	11.68
723.8	690.6	33.2	4.6	December	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
724.3	682.6	41.7	5.8	January	681.7	103.2	68.1	486.38	41.5	11.72
725.3	690.5	34.8	4.8	February	683.4	103.2	67.8	491.78	41.5	11.85
724.7	690.3	34.4	4.7	March	688.2	103.0	67.8	493.44	41.5	11.89
722.6	691.0	31.6	4.4	April	695.8	102.9	67.7	494.68	41.5	11.92
729.9	697.7	32.2	4.4	May	701.8	102.9	67.6	492.75	41.2	11.96
745.3	707.8	37.5	5.0	June	705.7	103.1	67.6	491.56	41.1	11.96
INA	INA	INA	INA	July	699.1	103.2	67.4	496.05	41.2	12.04

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Columbus Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1989[b]	June 1989[c]	July 1988[c]	From Last Month	From Last Year
Total	699.1	705.7	675.0	-6.6	24.0
Manufacturing	103.2	103.1	102.4	.1	.8
Durable Goods[e]	65.6	65.6	64.6	.0	1.0
Stone, clay, and glass products	9.9	10.0	10.0	-.2	-.1
Glass and glassware, pressed or blown	3.1	3.2	3.1	-.2	-.1
Fabricated metal products	9.0	9.2	9.0	-.2	.0
Fabricated structural metal products	2.5	2.5	2.4	.0	.1
Machinery, except electrical	9.8	9.7	9.7	.1	.0
Electric and electronic equipment	10.6	10.6	10.7	.0	-.1
Transportation equipment	13.4	13.3	12.5	.2	.9
Instruments and related products	4.4	4.3	4.1	.1	.3
Nondurable Goods[f]	37.6	37.6	37.9	.1	-.2
Food and kindred products	10.3	10.2	10.3	.2	.0
Printing and publishing	10.8	10.7	10.5	.0	.3
Chemicals and allied products	6.8	6.8	6.9	.0	-.1
Rubber and misc. plastics products	5.4	5.5	5.6	-.1	-.2
Nonmanufacturing[g]	595.9	602.5	572.6	-6.7	23.2
Construction	33.9	32.6	30.5	1.3	3.3
Transportation and Public Utilities	31.0	30.9	29.8	.0	1.2
Trucking and warehousing	13.1	13.0	12.3	.1	.8
Communication, electric, gas services	11.8	11.8	12.1	.0	-.2
Wholesale Trade	36.4	36.3	34.8	.1	1.7
Wholesale trade-durable goods	23.4	23.3	22.4	.1	1.0
Retail Trade	144.4	144.5	138.1	.0	6.3
General merchandise stores	19.7	19.7	20.1	.0	-.4
Finance, Insurance, and Real Estate	60.2	59.8	59.1	.4	1.1
Banking	11.9	11.8	11.6	.1	.2
Insurance carriers	23.7	23.6	23.3	.1	.4
Services	171.9	171.0	163.1	.9	8.7
Business services	41.8	40.7	38.0	1.0	3.8
Health services	43.2	43.0	41.7	.2	1.5
Hospitals	19.8	19.6	19.2	.1	.6
Government	117.1	126.5	116.2	-9.4	.9
Federal government	15.2	15.2	15.2	.0	-.1
State government	50.9	56.5	50.6	-5.5	.3
State government education[h]	17.9	23.9	18.6	-5.9	-.7
State government, except education	33.0	32.6	32.0	.4	1.0
Local government	51.0	54.9	50.3	-3.9	.7
Local government education	28.3	32.4	23.0	-4.1	.3
Local government, except education	22.7	22.5	22.3	.2	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]
Manufacturing	$496.05	$491.56	$475.45	41.2	41.1	41.2	$12.04	$11.96	$11.54
Durable Goods[e]	501.80	495.67	482.93	41.3	41.1	41.1	12.15	12.06	11.75
Stone, clay, and glass products	545.22	540.02	479.95	44.8	44.3	40.4	12.17	12.19	11.88
Glass and glassware, pressed or blown	478.70	465.50	438.37	42.4	41.6	39.6	11.29	11.19	11.07
Fabricated metal products	514.98	501.83	509.59	41.1	41.1	40.8	12.53	12.21	12.49
Fabricated structural metal products	460.53	440.27	453.46	40.9	39.7	41.0	11.26	11.09	11.06
Machinery, except electrical	473.93	467.10	470.61	41.5	41.3	42.9	11.42	11.31	10.97
Electric and electronic equipment	458.57	437.76	456.85	39.6	38.4	40.9	11.58	11.40	11.17
Transportation equipment	580.51	579.51	562.92	41.2	41.1	41.3	14.09	14.10	13.63
Instruments and related products	425.20	431.09	404.68	40.0	40.9	38.8	10.63	10.54	10.43
Nondurable Goods[f]	486.16	484.10	458.14	41.2	41.2	41.2	11.80	11.75	11.12
Food and kindred products	455.76	450.78	447.86	42.2	41.7	41.7	10.80	10.81	10.74
Printing and publishing	580.28	576.70	547.46	39.8	39.8	39.7	14.58	14.49	13.79
Chemicals and allied products	582.74	596.01	524.75	41.3	42.3	40.9	14.11	14.09	12.83
Rubber and misc. plastics products	365.16	369.70	360.32	40.8	41.4	41.8	8.95	8.93	8.62
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	597.19	596.16	593.81	41.5	41.4	41.7	14.39	14.40	14.24
Wholesale Trade	364.22	361.13	349.32	37.9	37.5	37.4	9.61	9.63	9.34
Retail Trade[h]	190.67	189.99	184.44	28.5	28.7	29.0	6.69	6.62	6.36
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	271.78	272.21	263.25	.....	.....	.....	.....	.....	.....
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	377.71	373.74	348.47	34.4	34.1	34.4	10.98	10.96	10.13

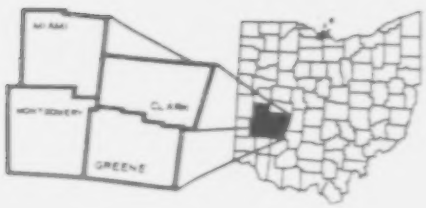
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Columbus MSA

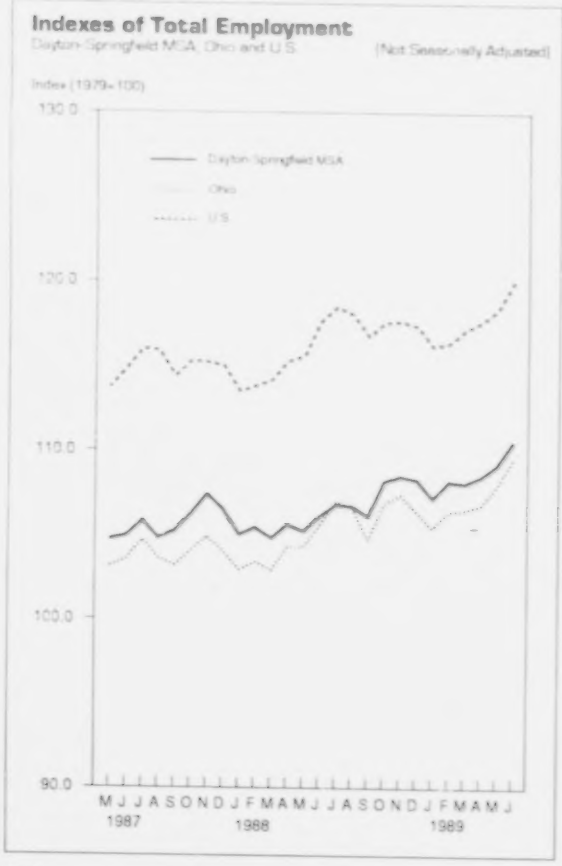
	July 1989	June 1989	July 1988
Employment Service Program			
New Applicants	3,768	3,915	5,866
Active File of Job Seekers	26,073	25,798	28,916
Referrals to Jobs	1,417	2,182	2,710
Placements	604	577	614
Job Openings Received	3,351	1,042	1,411
Job Openings Unfilled	3,532	2,000	2,444
Unemployment Insurance Program			
Initial Claims	4,580	3,876	4,227
Continued Claims	31,152	30,019	29,153
First Payments	1,960	1,580	1,962
Last Payments	643	769	602
Weeks Compensated	24,574	28,565	23,857
Benefits Paid	$3,829,962	$4,534,473	$3,558,339
Average Weekly Payment	$164.14	$166.04	$151.99

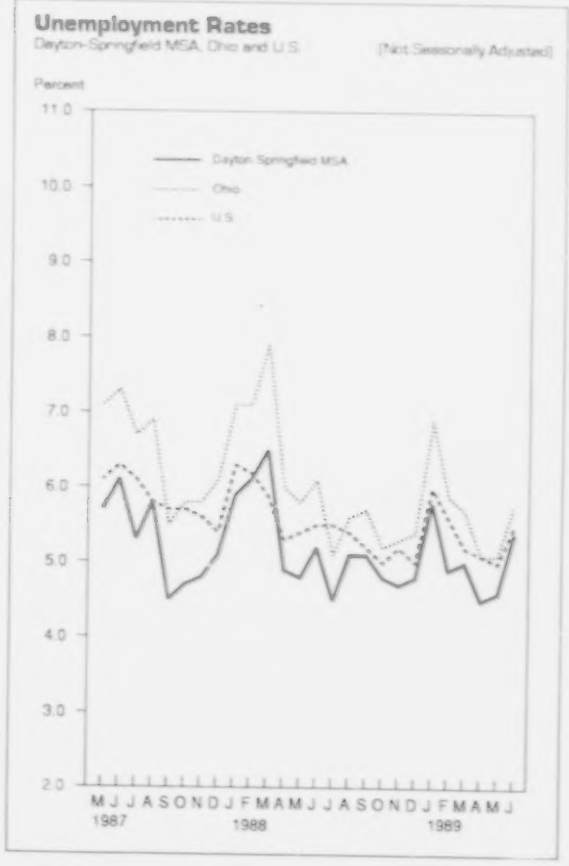
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Dayton-Springfield metropolitan area declined 5,700 from June to 445,600 in July 1989. Seasonal layoffs of nonteaching personnel in local schools negated a moderate gain in construction. Reductions in transportation equipment and rubber and miscellaneous plastics products lowered manufacturing employment 900 over the month to 104,100. Factory production workers averaged $12.79 per hour, down $.08 from June. Their average workweek of 42.4 hours was .7 hours shorter.

Nonfarm wage and salary employment advanced 13,300 between July 1988 and July 1989. The leading growth industry was services (+5,200), especially business and health services. Noteworthy expansion also occurred in construction, retail trade, and federal government employment. The number of manufacturing jobs decreased 700 during the period as employment in transportation equipment, rubber and miscellaneous plastics products, and printing and publishing declined. Employment in nonelectrical machinery and food and kindred products increased.





Dayton–Springfield MSA Labor Force and Employment Data

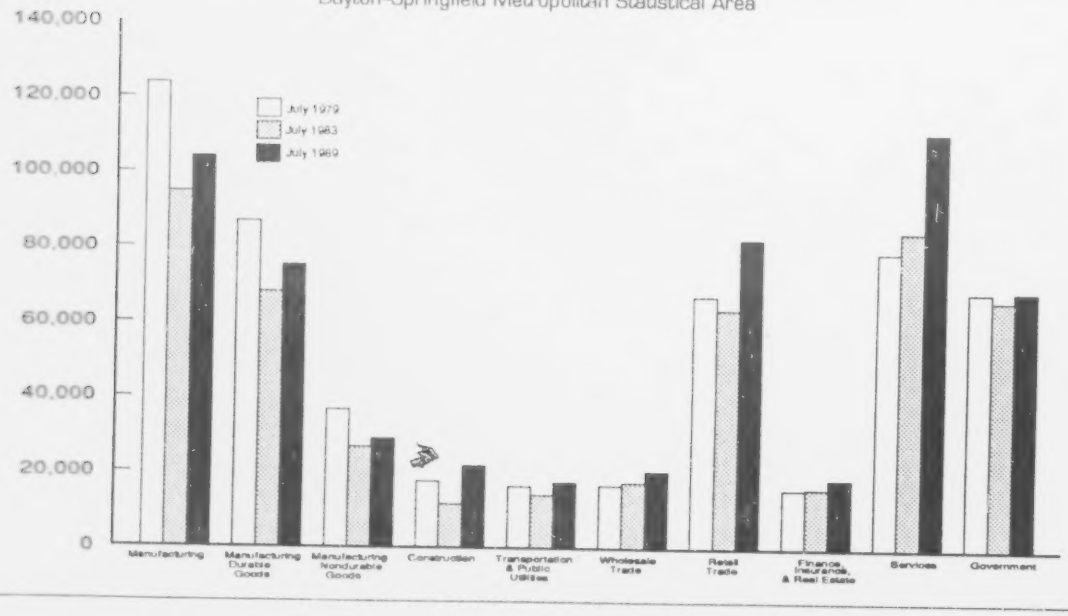
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	1988	436.7	104.5	67.2	546.41	43.4	12.59
				1988						
467.8	443.4	24.3	5.2	June	437.8	104.9	67.4	559.24	44.0	12.71
467.4	446.5	20.8	4.5	July	432.3	104.8	67.2	525.34	42.4	12.39
469.6	445.8	23.8	5.1	August	432.6	104.3	66.6	522.44	42.2	12.38
467.3	443.3	24.0	5.1	September	442.8	105.4	68.1	552.41	43.6	12.67
474.9	452.1	22.8	4.8	October	445.0	104.8	67.7	573.69	44.3	12.95
475.8	453.5	22.3	4.7	November	450.3	105.3	68.2	580.69	44.6	13.02
475.2	452.5	22.7	4.8	December	448.2	105.5	68.3	574.98	44.4	12.95
				1989						
475.4	447.9	27.5	5.8	January	438.2	104.9	67.7	576.83	44.1	13.08
475.7	452.3	23.4	4.9	February	438.6	104.7	67.5	565.93	43.6	12.98
475.7	451.9	23.8	5.0	March	441.3	104.9	67.6	563.77	43.3	13.02
475.2	453.7	21.5	4.5	April	447.4	104.8	67.6	555.13	43.1	12.88
478.6	456.4	22.2	4.6	May	449.7	104.6	67.3	555.56	43.1	12.89
488.6	462.2	26.4	5.4	June	451.3	105.0	67.5	554.70	43.1	12.87
INA	INA	INA	INA	July	445.6	104.1	66.2	542.30	42.4	12.79

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Dayton–Springfield Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1989[b]	June 1989[c]	July 1988[c]	From Last Month	From Last Year
Total	445.6	451.3	432.3	-5.7	13.3
Manufacturing	104.1	105.0	104.8	-.9	-.7
Durable Goods[e]	75.2	75.7	75.4	-.5	-.2
Fabricated metal products	8.5	8.4	8.5	.0	-.1
Machinery, except electrical	30.9	30.9	30.7	.0	.2
Metalworking machinery	6.7	6.7	6.6	.0	.1
General industrial machinery	2.9	2.8	2.8	.0	.1
Electric and electronic equipment	5.8	5.8	5.8	.1	.0
Electrical industrial apparatus	3.4	3.3	3.2	.1	.2
Transportation equipment	20.0	20.7	20.8	-.6	-.8
Nondurable Goods[f]	28.9	29.3	29.4	-.4	-.5
Food and kindred products	3.1	3.1	2.9	.0	.1
Paper and allied products	5.9	5.9	5.9	.0	-.1
Printing and publishing	8.8	8.8	9.0	.0	-.2
Rubber and misc. plastics products	7.5	7.7	7.8	-.2	-.4
Nonmanufacturing[g]	341.5	346.3	327.4	-4.8	14.0
Construction	21.8	20.9	19.3	.9	2.5
Transportation and Public Utilities	17.6	17.5	16.9	.0	.6
Communication, electric, gas services	5.2	5.2	5.8	.0	-.6
Wholesale Trade	20.5	20.4	19.8	.1	.7
Wholesale trade-durable goods	13.9	13.8	13.7	.1	.2
Retail Trade	82.3	82.6	80.0	-.3	2.3
General merchandise stores	11.6	11.7	11.6	.0	.1
Finance, Insurance, and Real Estate	18.7	18.7	18.3	.0	.4
Banking	4.3	4.3	4.2	.0	.1
Credit agencies other than banks	4.9	4.8	4.8	.0	.1
Insurance carriers	3.1	3.2	3.0	-.1	.0
Services	111.2	111.4	106.0	-.2	5.2
Business services	28.2	27.9	26.0	.3	2.2
Health services	38.3	38.0	36.9	.3	1.4
Hospitals	19.8	19.6	19.2	.2	.6
Educational services	5.8	6.6	5.7	-.8	.0
Government	68.9	74.4	66.6	-5.4	2.3
Federal government	29.3	29.1	27.3	.2	2.0
State government	6.6	7.3	6.6	-.8	.0
State government education[f]	3.6	4.4	3.6	-.8	.1
State government, except education	2.9	2.9	3.0	.0	-.1
Local government	33.0	37.9	32.7	-4.8	.3
Local government education	17.2	22.2	17.4	-5.0	-.2
Local government, except education	15.8	15.7	15.3	.2	.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

Dayton-Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]
Manufacturing	$542.30	$554.70	$525.34	42.4	43.1	42.4	$12.79	$12.87	$12.39
Durable Goods[e]	554.65	565.94	533.35	42.6	43.4	42.6	13.02	13.04	12.52
Fabricated metal products	414.92	422.82	386.26	42.6	43.5	41.4	9.74	9.72	9.33
Machinery, except electrical	586.79	610.01	569.40	42.8	44.3	43.3	13.71	13.77	13.15
Metalworking machinery	563.85	602.93	546.32	45.0	47.4	45.3	12.53	12.72	12.06
General industrial machinery	504.43	520.72	491.70	44.6	46.0	44.7	11.31	11.32	11.00
Electric and electronic equipment	443.55	435.74	442.54	43.4	43.1	43.6	10.22	10.11	10.15
Electrical industrial apparatus	550.52	536.70	518.47	45.8	44.8	45.4	12.02	11.98	11.42
Transportation equipment	692.73	689.27	655.27	43.0	42.6	42.8	16.11	16.18	15.31
Nondurable Goods[f]	502.53	524.45	503.64	41.6	42.5	41.9	12.08	12.34	12.02
Food and kindred products	359.94	348.43	357.00	42.0	40.8	42.0	8.57	8.54	8.50
Paper and allied products	482.29	493.68	489.88	43.1	44.0	43.7	11.19	11.22	11.21
Printing and publishing	467.83	476.49	445.61	40.4	40.9	39.4	11.58	11.65	11.31
Rubber and misc. plastics products	665.41	710.05	649.27	41.1	42.8	41.7	16.19	16.59	15.57
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	576.80	579.27	550.67	41.2	41.2	40.7	14.00	14.06	13.53
Wholesale Trade	408.22	401.49	404.59	40.1	39.4	39.9	10.18	10.19	10.14
Retail Trade[h]	175.93	172.35	165.03	28.7	28.3	28.7	6.13	6.09	5.75
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	374.60	370.94	363.55	33.9	34.0	34.2	11.05	10.91	10.63

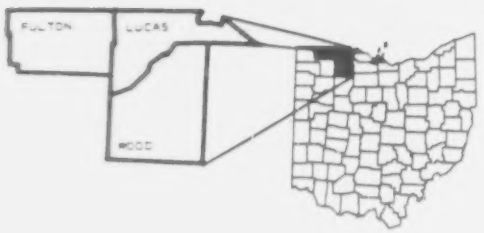
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Dayton-Springfield MSA

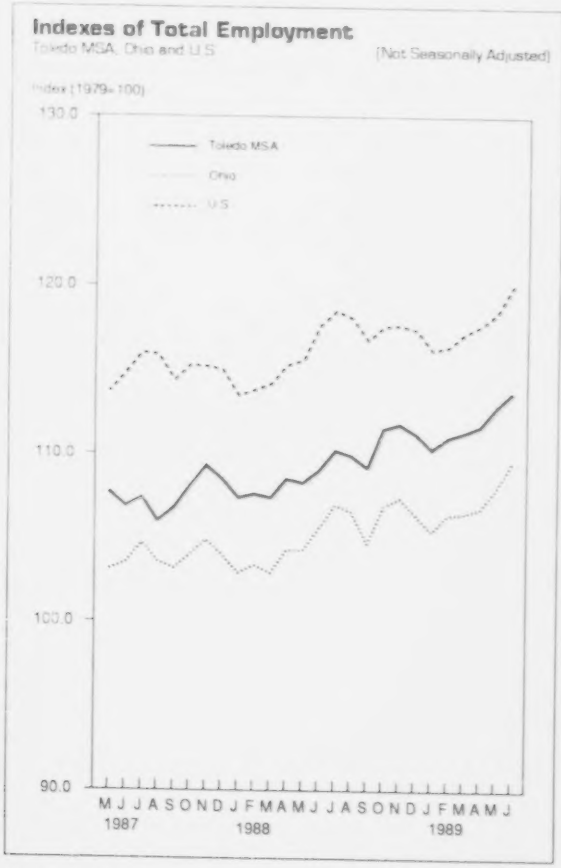
	July 1989	June 1989	July 1988
Employment Service Program			
New Applicants	1,804	2,086	2,386
Active File of Job Seekers	13,334	11,564	15,284
Referrals to Jobs	1,516	1,735	2,118
Placements	788	435	1,281
Job Openings Received	3,668	886	1,774
Job Openings Unfilled	3,439	1,736	1,944
Unemployment Insurance Program			
Initial Claims	4,185	2,445	4,140
Continued Claims	21,233	20,002	20,268
First Payments	1,319	1,067	1,296
Last Payments	439	506	373
Weeks Compensated	16,681	19,083	16,098
Benefits Paid	$2,438,621	$2,746,803	$2,229,036
Average Weekly Payment	$153.19	$149.09	$140.91

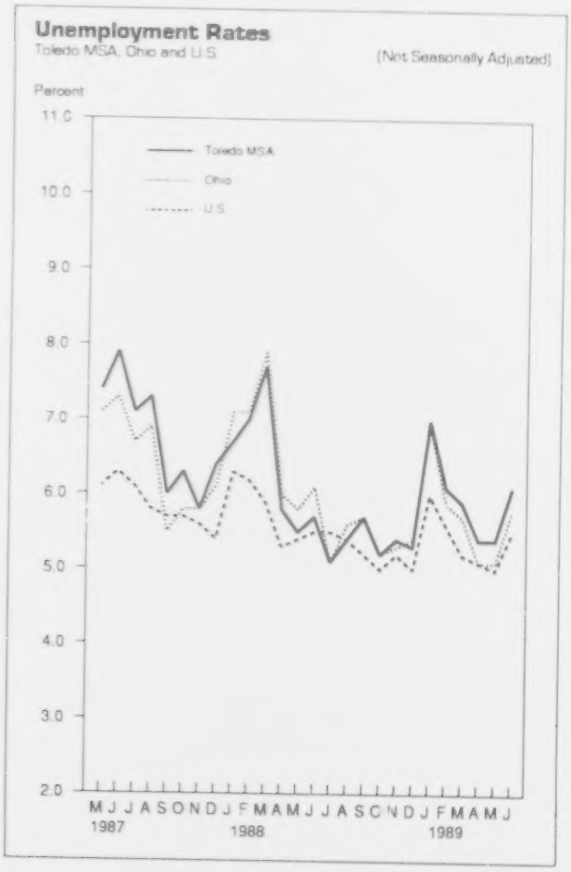
TOLEDO METROPOLITAN STATISTICAL AREA



In the Toledo metropolitan area, total nonfarm payroll employment decreased 2,500 from the June level to 291,700 in July 1989. Seasonal layoffs of nonteaching personnel in local schools negated a moderate gain in construction. Manufacturing employment, at 61,600, was down 400 due to declines in fabricated metal products, stone, clay, and glass products, transportation equipment, and rubber and miscellaneous plastics products. Factory production workers averaged $13.27 per hour, up fractionally from June. Their average workweek of 43.1 hours was .1 hours shorter.

Nonagricultural wage and salary employment advanced 8,600 between July 1988 and July 1989. The primary areas of expansion were services, especially business services, retail trade, and construction. Manufacturing employment declined 1,500 during the period. Noteworthy reductions occurred in fabricated metal products, transportation equipment, rubber and miscellaneous plastics products, and stone, clay, and glass products.





Toledo MSA Labor Force and Employment Data

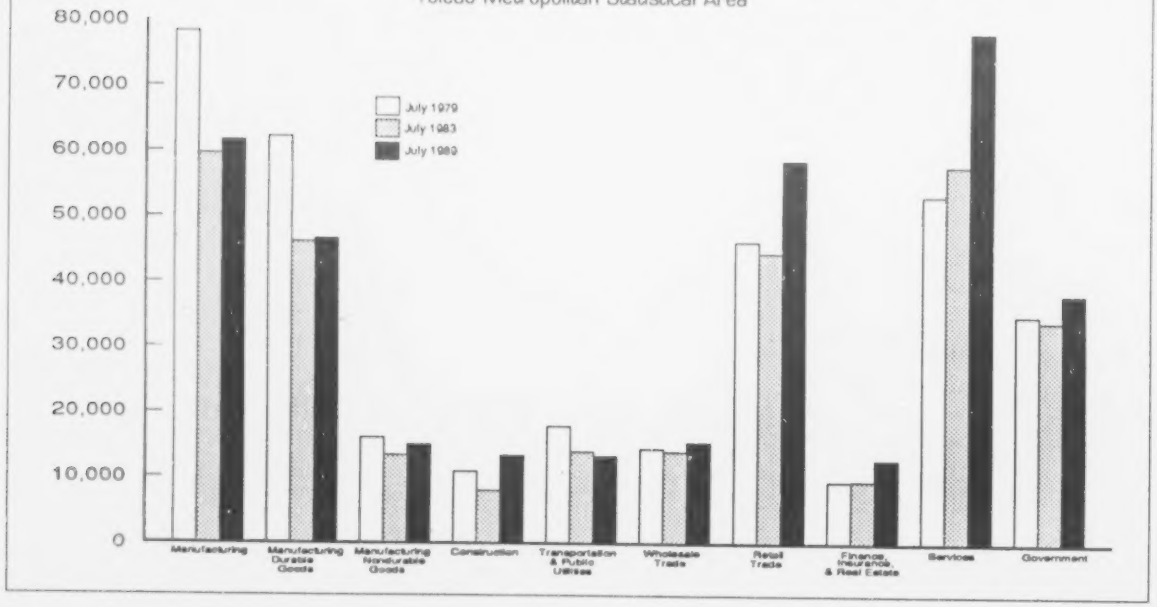
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	1988	284.9	62.5	44.8	569.41	43.4	13.12
				1988						
308.9	291.2	17.6	5.7	June	285.5	63.5	45.7	571.58	43.4	13.17
310.3	294.4	15.8	5.1	July	283.1	63.1	45.2	543.93	42.1	12.92
310.5	293.6	16.9	5.4	August	282.9	63.3	45.5	549.95	42.5	12.94
309.4	291.7	17.7	5.7	September	289.5	63.6	45.8	586.49	44.6	13.15
314.1	297.9	16.2	5.2	October	291.3	62.8	45.0	585.64	44.4	13.19
315.6	298.6	17.0	5.4	November	294.5	62.6	44.9	605.69	45.1	13.43
313.6	297.0	16.6	5.3	December	292.4	62.4	44.6	589.19	44.3	13.30
				1989						
317.1	294.8	22.3	7.0	January	286.6	62.0	44.4	576.39	43.6	13.22
315.9	296.5	19.4	6.1	February	285.7	61.7	44.2	598.53	44.7	13.39
316.0	297.3	18.7	5.9	March	288.5	61.4	43.9	598.09	44.6	13.41
315.3	298.4	16.9	5.4	April	292.4	61.3	43.8	561.56	42.9	13.09
318.7	301.5	17.2	5.4	May	295.2	61.4	43.9	584.75	43.9	13.32
323.6	303.7	19.9	6.1	June	294.1	62.0	44.3	572.83	43.2	13.26
INA	INA	INA	INA	July	291.7	61.6	43.8	571.94	43.1	13.27

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Toledo Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1989[b]	June 1989[c]	July 1988[c]	From Last Month	From Last Year
Total	291.7	294.1	283.1	-2.5	8.6
Manufacturing	61.6	62.0	63.1	-.4	-1.5
Durable Goods[e]	46.6	46.9	47.7	-.3	-1.1
Stone, clay, and glass products	7.5	7.6	7.8	-.1	-.3
Primary metal industries	3.3	3.3	3.5	.0	-.2
Fabricated metal products	7.0	7.1	7.6	-.2	-.6
Metal forgings and stampings	2.8	2.9	3.3	-.1	-.5
Machinery, except electrical	6.1	6.1	5.9	.0	.1
Electric and electronic equipment	2.1	2.1	2.2	.0	-.1
Transportation equipment	15.5	15.6	15.9	-.1	-.4
Motor vehicles and equipment	14.6	14.7	14.9	-.1	-.4
Nondurable Goods[f]	15.0	15.1	15.3	-.1	-.3
Food and kindred products	4.1	4.1	4.1	.0	.0
Rubber and misc. plastics products	3.4	3.5	3.8	-.1	-.4
Nonmanufacturing[g]	230.1	232.1	220.0	-2.1	10.0
Construction	13.3	12.7	11.5	.6	1.8
Transportation and Public Utilities	13.3	13.1	13.3	.1	-.1
Trucking and warehousing	5.4	5.4	5.4	.1	.0
Communication, electric, gas services	4.8	4.7	4.8	.1	-.1
Wholesale Trade	15.4	15.3	15.0	.1	.5
Wholesale trade-durable goods	10.4	10.3	10.0	.1	.4
Retail Trade	58.6	58.7	55.6	.0	3.0
General merchandise stores	8.5	8.5	8.0	.0	.5
Finance, Insurance, and Real Estate	12.7	12.7	12.3	.0	.4
Banking	3.8	3.8	3.7	.0	.0
Services	78.3	78.1	74.6	.2	3.7
Business services	17.2	17.0	15.7	.2	1.5
Health services	27.8	27.7	27.2	.2	.7
Hospitals	15.2	15.2	15.0	.0	.2
Government	38.1	41.2	37.5	-3.1	.7
State government	13.1	13.6	12.5	-.6	.5
State government education[i]	8.7	9.4	8.3	-.7	.4
State government, except education	4.4	4.3	4.2	.1	.1
Local government	22.4	24.9	22.3	-2.5	.1
Local government education	11.6	14.1	11.7	-2.6	-.1
Local government, except education	10.8	10.8	10.7	.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]
Manufacturing	$571.94	$572.83	$543.93	43.1	43.2	42.1	$13.27	$13.26	$12.92
Durable Goods[e]	584.30	585.73	563.30	42.9	43.1	42.1	13.62	13.59	13.38
Stone, clay, and glass products	539.60	512.62	510.24	41.7	39.8	39.8	12.94	12.88	12.82
Primary metal industries	458.49	482.63	459.41	40.9	42.9	41.5	11.21	11.25	11.07
Fabricated metal products	446.48	468.29	496.94	40.7	41.7	40.9	10.97	11.23	12.15
Metal forgings and stampings	570.96	624.46	598.02	39.0	41.3	41.3	14.64	15.12	14.48
Machinery, except electrical	516.43	507.60	503.16	43.0	42.3	42.0	12.01	12.00	11.98
Electric and electronic equipment	554.63	548.87	471.65	43.5	43.7	40.8	12.75	12.56	11.56
Transportation equipment	770.89	770.77	712.97	45.4	45.5	43.5	16.98	16.94	16.39
Motor vehicles and equipment	775.43	777.02	720.80	45.4	45.6	43.5	17.08	17.04	16.57
Nondurable Goods[f]	525.57	528.87	474.05	43.4	43.6	42.1	12.11	12.13	11.26
Food and kindred products	649.34	667.81	567.19	45.6	46.7	43.9	14.24	14.30	12.92
Rubber and misc. plastics products	381.92	381.93	349.01	43.4	43.5	42.1	8.80	8.78	8.29
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	600.70	587.71	622.99	41.2	40.7	42.7	14.58	14.44	14.59
Wholesale Trade	412.08	405.73	389.65	40.4	39.7	39.2	10.20	10.22	9.94
Retail Trade[h]	162.15	158.65	161.24	28.2	27.4	29.0	5.75	5.79	5.56

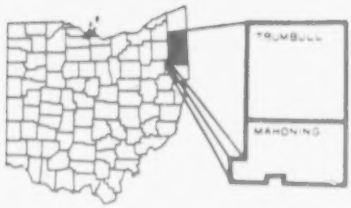
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Toledo MSA

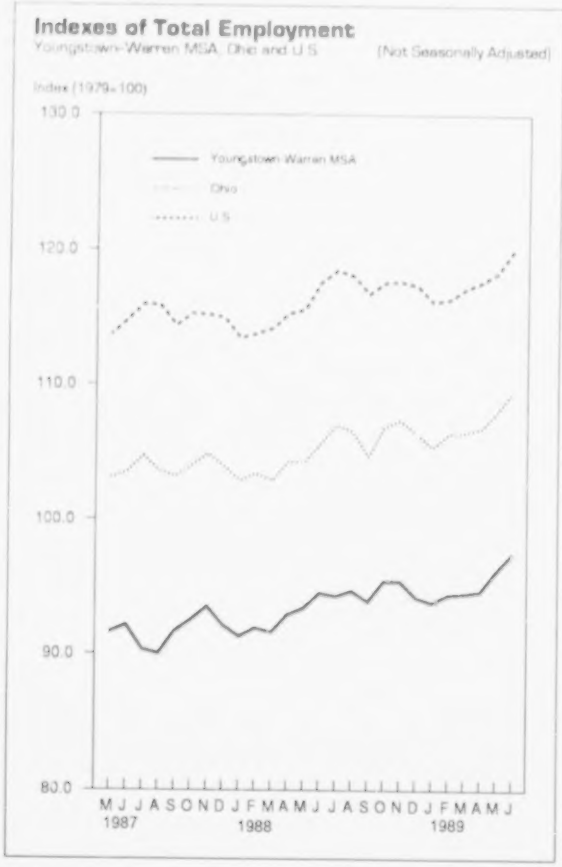
	July 1989	June 1989	July 1988
Employment Service Program			
New Applicants	1,826	1,487	2,388
Active File of Job Seekers	17,660	16,040	17,469
Referrals to Jobs	1,405	894	1,523
Placements	359	189	576
Job Openings Received	1,021	649	906
Job Openings Untilled	905	1,086	1,299
Unemployment Insurance Program			
Initial Claims	4,430	3,043	3,506
Continued Claims	19,927	16,990	16,476
First Payments	1,506	1,047	1,220
Last Payments	357	372	271
Weeks Compensated	14,679	15,984	13,292
Benefits Paid	$2,300,608	$2,447,696	$1,882,320
Average Weekly Payment	$164.43	$159.22	$145.15

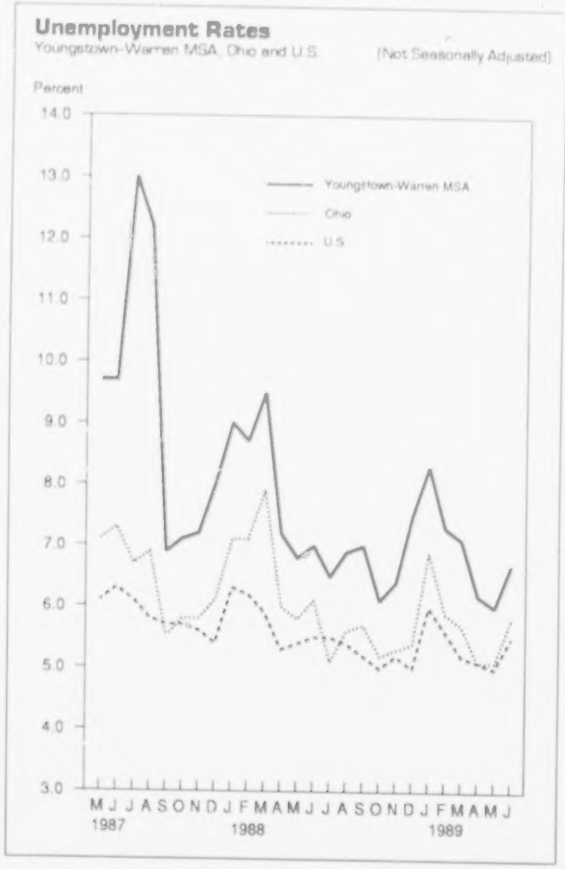
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



Nonfarm payroll employment in the Youngstown-Warren metropolitan area decreased 6,100 from the June level to 195,100 in July 1989. The manufacturing workforce declined 5,400 to 44,800. Less business and temporary shutdowns due to model changeovers lowered employment in transportation equipment, primary metal industries, and fabricated metal products. Seasonal layoffs of nonteaching personnel in state and local schools and colleges negated modest gains in construction and services, lowering nonmanufacturing employment 700 over the month. Factory production workers averaged $13.67 per hour, down $.24 from June. Their average workweek of 42.0 hours was .3 hours shorter.

Nonagricultural wage and salary employment advanced 2,500 between July 1988 and July 1989. Noteworthy expansion occurred in services, retail trade, and construction. Manufacturing employment dropped 4,100 during the period due to a significant reduction in transportation equipment and modest declines in primary metal industries and fabricated metal products. Employment in nonelectrical machinery increased.



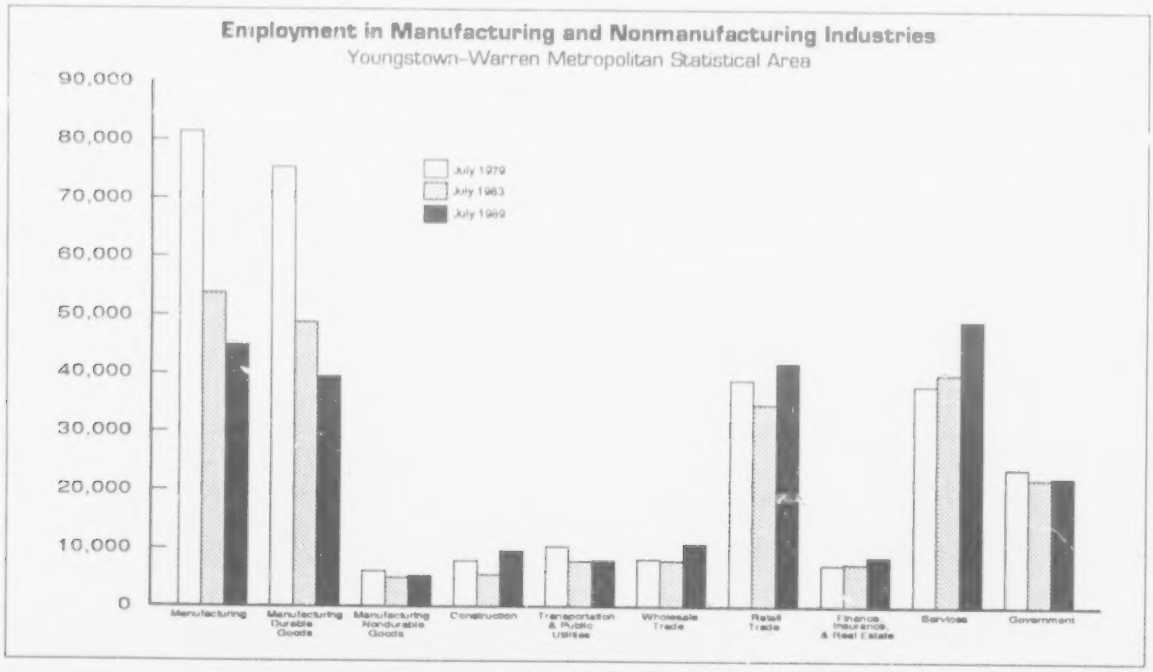


Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	$353.56	41.4	$ 8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	1988	193.9	50.5	38.5	575.95	42.6	13.52
				1988						
223.3	207.8	15.6	7.0	June	196.9	51.1	39.2	582.08	42.8	13.60
221.7	207.4	14.3	6.5	July	192.6	48.9	36.9	568.09	42.3	13.43
223.8	208.3	15.5	6.9	August	193.8	50.3	38.3	557.44	41.6	13.40
222.0	206.4	15.6	7.0	September	197.6	51.8	39.9	589.81	43.4	13.59
223.3	209.8	13.5	6.1	October	198.0	51.7	39.7	586.09	43.0	13.63
224.0	209.7	14.2	6.4	November	199.8	51.9	39.8	593.71	43.4	13.68
224.0	207.1	16.9	7.5	December	196.7	49.8	37.8	594.21	43.5	13.66
				1989						
224.9	206.2	18.7	8.3	January	193.4	51.1	39.0	599.87	43.5	13.79
223.9	207.5	16.3	7.3	February	193.0	50.6	38.6	586.87	42.9	13.68
223.7	207.8	15.9	7.1	March	194.7	50.3	38.3	593.64	43.3	13.71
222.1	208.3	13.8	6.2	April	197.0	50.1	38.2	586.18	42.6	13.76
225.1	211.5	13.6	6.0	May	200.0	50.1	38.1	600.66	43.4	13.84
229.6	214.3	15.3	6.7	June	201.2	50.2	38.2	588.39	42.3	13.91
INA	INA	INA	INA	July	195.1	44.8	32.7	574.14	42.0	13.67

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1989[b]	June 1989[c]	July 1988[c]	From Last Month	From Last Year
Total	195.1	201.2	192.6	-6.1	2.5
Manufacturing	44.8	50.2	48.9	-5.4	-4.1
Durable Goods[e]	39.5	45.0	43.7	-5.5	-4.1
Primary metal industries	17.6	18.4	17.9	-.9	-.3
Blast furnace and basic steel products	5.5	5.6	5.8	-.1	-.3
Fabricated metal products	6.9	7.4	7.1	-.5	-.2
Machinery, except electrical	3.9	3.9	3.7	.0	.2
Electric and electronic equipment	2.2	2.2	2.3	.0	-.1
Transportation equipment	5.6	9.8	9.4	-4.2	-3.8
Nondurable Goods[f]	5.3	5.2	5.3	.1	.0
Nonmanufacturing[g]	150.3	151.0	143.6	-.7	6.6
Construction	9.5	9.1	8.5	.4	1.0
Transportation and Public Utilities	7.8	7.9	7.6	.0	.3
Communication, electric, gas services	2.8	2.8	2.9	.0	-.1
Wholesale Trade	10.7	10.7	10.4	.0	.4
Wholesale trade-durable goods	6.9	6.9	6.6	.0	.3
Retail Trade	41.7	41.7	39.9	.0	1.8
General merchandise stores	5.2	5.1	5.2	.1	.0
Finance, Insurance, and Real Estate	8.4	8.4	8.5	.0	-.1
Banking	2.8	2.8	2.8	.0	.0
Services	49.1	48.6	46.2	.4	2.9
Health services	21.2	20.9	20.6	.2	.6
Hospitals	11.0	10.8	10.7	.2	.3
Government	22.2	23.8	21.8	-1.5	.4
State government	3.9	4.7	3.7	-.8	.2
State government education[h]	2.3	3.2	2.1	-.9	.2
State government, except education	1.6	1.5	1.6	.0	.0
Local government	16.3	17.0	16.1	-.7	.2
Local government education	9.6	10.3	9.5	-.7	.1
Local government, except education	6.7	6.7	6.5	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Youngstown-Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]	Jul. 1989[b]	Jun. 1989[c]	Jul. 1988[c]
Manufacturing	$574.14	$588.39	$568.09	42.0	42.3	42.3	$13.67	$13.91	$13.43
Durable Goods[e]	589.96	602.65	583.62	42.2	42.5	42.6	13.98	14.18	13.70
Primary metal industries	654.08	663.92	624.07	42.5	43.0	41.8	15.39	15.44	14.93
Blast furnace and basic steel products	641.22	648.67	629.29	46.6	46.6	45.8	13.76	13.92	13.74
Fabricated metal products	583.14	615.62	542.05	43.1	45.2	41.6	13.53	13.62	13.03
Machinery, except electrical	486.51	495.85	484.36	41.3	42.2	42.6	11.78	11.75	11.37
Electric and electronic equipment	471.55	455.80	454.50	40.2	39.6	40.4	11.73	11.51	11.25
Transportation equipment	624.79	617.69	654.40	43.0	41.4	45.1	14.53	14.92	14.51
Nondurable Goods[f]	426.66	436.57	420.25	39.8	40.2	40.1	10.72	10.86	10.48
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	589.58	582.82	559.71	41.0	40.7	40.5	14.38	14.32	13.82
Wholesale Trade	366.14	372.49	362.62	38.5	38.6	38.7	9.51	9.65	9.37
Retail Trade[h]	181.83	182.47	179.98	28.5	28.6	29.7	6.38	6.38	6.06

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Youngstown-Warren MSA

	July 1989	June 1989	July 1988
Employment Service Program			
New Applicants	1,689	2,684	2,495
Active File of Job Seekers	22,001	20,001	16,283
Referrals to Jobs	1,074	1,243	1,580
Placements	245	288	340
Job Openings Received	806	455	930
Job Openings Unfilled	890	933	1,477
Unemployment Insurance Program			
Initial Claims	7,156	3,854	4,231
Continued Claims	20,405	15,255	15,941
First Payments	1,704	939	1,669
Last Payments	281	242	244
Weeks Compensated	14,049	13,966	13,218
Benefits Paid	$2,051,633	$2,020,153	$1,846,011
Average Weekly Payment	$155.47	$149.50	$142.74

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Manufacturing	57	.3
Nonmanufacturing	38	.2
Mining	52	1.4
Construction	19	1.4
Transportation and Public Utilities	15	.3
Wholesale Trade	22	.4
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.2

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	July 1989	June 1989	July 1988
New Applicants	27,022	34,620	38,482
Active File of Job Seekers	253,145	242,715	263,530
Counseling Interviews	456	628	1,173
Tests Administered	1,097	1,684	1,163
General Aptitude Tests	70	190	70
Proficiency Tests	280	270	241
Specific Aptitude Tests	95	137	650
Referrals to Jobs	19,251	24,866	31,082
Placements	7,951	5,741	9,816
Job Openings Received	26,946	12,381	18,228
Job Openings Unfilled	24,355	20,926	27,122

Selected Unemployment Insurance Activities

	Ohio		
	July 1989	June 1989	July 1988
Initial Claims	62,654	45,358	51,819
Continued Claims	323,079	302,036	316,853
First Payments	21,828	17,178	19,490
Last Payments	6,155	6,522	6,052
Average Weekly Claimants	76,168	71,428	74,662
Average Weekly Benefit Recipients	60,480	61,029	57,831
Weeks Compensated	248,345	283,746	246,644
Benefits Paid	$37,618,942	$43,220,041	$36,051,763
Average Weekly Payment	$158.76	$158.00	$149.40
Continued Claims for Survey Week	84,759	70,714	76,583
Insured Unemployment Rate	1.7	1.6	1.7
Net Contributions	$61,006,917	$5,928,093	$51,966,913
Active Employer Accounts	204,637	203,748	200,528

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